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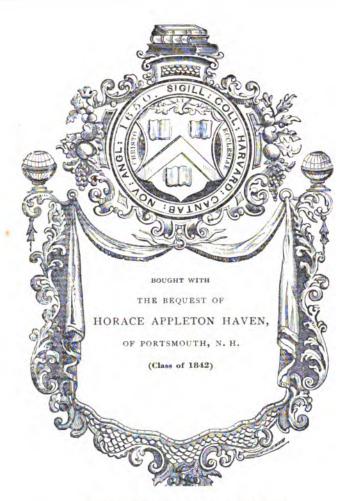
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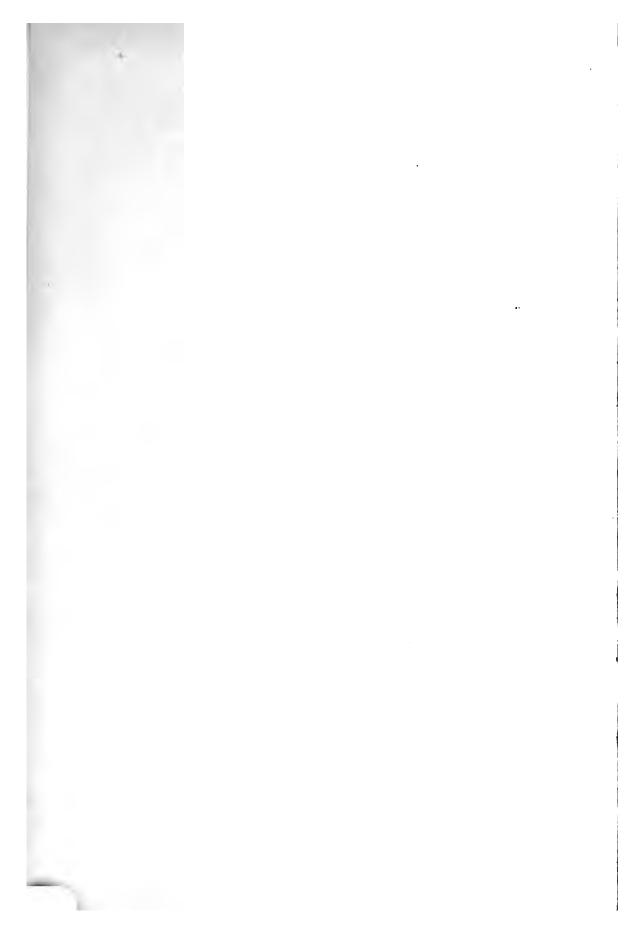
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SIEBENSTELLIGE

LOGARITHMEN

DER

TRIGONOMETRISCHEN FUNCTIONEN

FÜR

JEDE ZEITSECUNDE.

ZUM ASTRONOMISCHEN GEBRAUCHE HERAUSGEGEBEN

VON

DR NORBERT HERZ

ASSISTENT FÜR ASTRONOMIE UND HÖHERE GEODÄSIE AN DER K. K. TECHN, HOCHSCHULE IN WIEN.

LEIPZIG

COMMISSIONS-VERLAG VON B. G. TEUBNER 1885. Math 838,85

NOV 7 1888

LIBRADN

LOURS Jund.

DRUCK VON JOH. N. VERNAY IN WIEN.

VORREDE.

Da es in der Astronomie gebräuchlich ist, die Rectascensionen der Gestirne in Zeit auszudrücken, so erscheint es als zweckmässig, Tafeln zu benützen, welche die Logarithmen der trigonometrischen Functionen direct mit dem Argumente Zeit geben; derartige vierstellige Tafeln wurden von der Pulkowaer Sternwarte herausgegeben.

Die siebenstelligen Tafeln von Shortrede enthalten nebst dem gewöhnlichen Argumente (Grade, Bogenminuten und Bogensecunden) auch noch das Argument Zeit; da jedoch durch Häufung der Argumente leicht Irrthumer entstehen können, so ist eine derartige Anordnung nicht gerade besonders zu empfehlen; eine weitere Quelle zu Irrthümern tritt hiebei durch die Grösse des in Zeit ausgedrückten Intervalles auf. Endlich ist es gewiss als sehr unbequem zu bezeichnen, dass für ein so enges Intervall, wie es den Tafeln von Shortrede zu Grunde liegt, die Differenzen nicht angeschrieben werden können und jedesmal erst von dem Rechner gebildet werden müssen. Die vorliegenden Tafeln geben nun die Werthe der Logarithmen der trigonometrischen Functionen für jede Zeitsecunde des ganzen Quadranten mit den Differenzen und, so weit es thunlich war, mit den zugehörigen Proportionaltheilen; die Anordnung der Tafeln ist dieselbe wie in den allgemein üblichen Logarithmentafeln, wobei hier auf jeder Seite eine Zeitminute aufgenommen wurde.

Für die Ermittlung der Sin. und Tang. der kleinen Winkel ist eine Hilfstafel der S. und T. zwischen 0^h 0^m und 0^h 20^m beigefügt, mit welcher man wohl stets ausreichen wird. Ich hielt diese Tafel für praktischer, als die Verkleinerung des Intervalles etwa auf Zehntel Zeitsecunden, weil man hiebei beinahe jede Interpolation erspart. Allerdings wird man dann seine Zuflucht zu einer zweiten Logarithmentafel nehmen müssen, weil die vorliegende die Logarithmen der natürlichen Zahlen nicht enthält. Diese wurden

weggelassen, weil ja derartige Tafeln in grosser Zahl bereits vorhanden sind und das Bedürfnis nach neuen nicht besteht. Auch soll ja die vorliegende Tafel kein vollständiges logarithmischtrigonometrisches Handbuch sein, sondern eben nur die mitunter sehr empfindliche Lücke, welche durch das Nichtvorhandensein einer solchen Tafel bisher bestand, ausfüllen.

Die Werthe der Logarithmen der trigonometrischen Functionen wurden aus der siebenstelligen Tafel von Taylor: "Tables of Logarithms of all numbers from 1 to 101000 and of the sines and tangents to every second of the Quadrant, London 1792" entnommen, und nach Vollendung des Druckes eine nochmalige Vergleichung mit diesen und mit den siebenstelligen Tafeln von Shortrede: "Logarithms of sines and tangents for every second. Revised edition. London 1873" vorgenommen. Es ergab sich, dass noch die folgenden Druckfehler stehen geblieben waren:

```
pag. 35 : Sin. oh 32 m 46 s
                             statt 0.153 7691 lies 9.153 7691
" 46 : Pp. 1660, Zeile 9
                                    1994'0
                                                   1494'0
                             , 9.112 6456
                                                  9.312 6456
 " 50 : Sin. oh 47 " 25 "
, 56 : Cot. oh, 53" 25"
                             n 0.024 5405
                                                  0.624 5405
, 60 : Cot. oh 57 m 57 s
                                  0.597 7330 "
                                                  0.587 7330
" 62 : Pp. 1265, Zeile 1 " 136·5
                                                   126.5
 , 74 : Diff. des Sin. zwischen 40 s und 41 s statt 877 ,
                                                    977
 , 86 : Pp. 947, Zeile 3
                              statt 294'1
 , 94 : Diff. des Cos. zwischen 14s und 15s statt 333 , 133
 , 160 : Cos. 2h 37m 59s statt 9.887 4320
                                                    9.887 4321; die
         beiden letzten Differenzen sind demnach 260, 260, statt 261, 259
 . 180 : Cos. 2h 57 m 58 s
                              statt 9.953 3041 lies 9.853 3041
```

Endlich mag noch erwähnt werden, dass sich bei dieser Gelegenheit die folgenden im Taylor und Shortrede nicht bemerkten Druckfehler fanden:

```
Im Taylor: Cot. 33° 54′ 45″ statt 0.172 4440 lies 0.172 4441 Cos. 39° 29′ 45″ , 9.887 4320 , 9.887 4321 Im Shortrede: Cos. 19° 27′ 30″ , 9.974 2583 , 9.974 4583
```

WIEN, im April 1885.

N. Herz.

BRIGGISCHE LOGARITHMEN

DER

TRIGONOMETRISCHEN FUNCTIONEN

ALLER WINKEL DES QUADRANTEN

FÜR JEDE ZEITSECUNDE.

2

1 *

	Sin.	- 4					
ı		d.	Tang.	d, e,	Cotang.	Cos.	
21		7 1		-		0.000 0000	60
	5.861 6661	1010200	5.861 6661	201010-	4.138 3339	0.000 0000	59
2	6.162 6961	1760913	6.162 6961	3010300	3.837 3039	0.000 0000	58
3	6.338 7874	1249387	6.338 7874	1760913		0.000 0000	57
4	6.463 7261	969100	6.463 7261	969100	3.536 2739	0.000 0000	56
5	6.560 6361	791813	6.560 6361	791813	3.439 3639	0.000 0000	55
á	6.639 8174	669467	6.639 8174	669468	3.360 1826	0.000 0000	54
7	6.706 7641	579920	6.706 7642	579920	3.293 2358	9.999 9999	53
8	6.764 7561	511525	6.764 7562	511525	3.235 2438	9.999 9999	52
9	6.815 9086	457575	6.815 9087	457575	3.184 0913	9.999 9999	51
0	6,861 6661	413927	6.861 6662	413927	3.138 3338	9.999 9999	50
I	6.903 0588	377885	6.903 0589	377886	3.096 9411	9.999 9999	49
2	6.940 8473	347621	6.940 8475	347621	3.059 1525	9.999 9998	48
3	6.975 6094	321847	6.975 6096	321847	3.024 3904		47
4	7.007 7941	299632	7.007 7943	299633	2.992 2057	9.999 9998	46
5	7.037 7573 7.065 7860	280287	7.037 7576	280287	2.962 2424	9.999 9997	45
7	7.092 1149	263289	7.065 7863 7.092 1153	263290	2.934 2137	9.999 9997	44
8	7.116 9385	248236	7.116 9389	248236	2.907 8847	9.999 9997 9.999 9996	43
)	7.140 4196	234811	7.140 4200	234811	2.859 5800	9.999 9996	41
ò	7.162 6960	222764	7.162 6964	222764	- 11		-
1	7.183 8853	211893	7.183 8858	211894	2.837 3036	9.999 9995	40
2	7.204 0886	202033	7.204 0892	202034	2.816 1142	9.999 9995	39 38
3	7.223 3938	193052	7.223 3944	193052	2.795 9108 2.776 6056	9.999 9994	
í	7.241 8771	184833	7.241 8778	184834	2.758 1222	9.999 9994	37 36
5	7.259 6059	177288	7.259 6066	177288	2.740 3934	9.999 9993	35
6	7.276 6392	170333	7.276 6400	170334	2.723 3600	9.999 9992	34
1	7.293 0296	163904	7.293 0304	163904		9.999 9992	33
8	7.308 8239	157943	7.308 8248	157944	2.691 1752	9.999 9991	32
9	7.324 0638	147232	7.324 0648	152400	2.675 9352	9.999 9990	31
0	7.338 7870	100 A 110 B	7.338 7881	147233	2,661 2119	9.999 9990	30
1	7.353 0275	142405	7.353 0286	142405	2.646 9714	9.999 9989	29
2	7.366 8157	133639	7.366 8169	137883	2.633 1831	9.999 9988	28
3	7.380 1796	129650	7.380 1809	133640	2.619 8191	9.999 9987	27
4	7.393 1446	125891	7.393 1459	125892	2,606 8541	9.999 9987	26
5	7.405 7337	122344	7.405 7351	122345	2.594 2649	The state of the s	25
7	7.417 9681 7.429 8673	118992	7.417 9696	118993	2.582 0304	9.999 9985	24
Ś	7.441 4492	115819	7.429 8689	115819		9.999 9984	23
)	7.452 7302	112810	7.441 4508	112811		9.999 9983	22
5	7.463 7255	109953	7.452 7319	109954		9.999 9983	21
_		107238	7.463 7273	107240	2.536 2727	9.999 9982	20
,	7.474 4493	104654	7-474 4513	104655	2.525 5487	9.999 9981	19
3	7.484 9147 7.495 1339	102192	7.484 9168	102192	2.515 0832	9.999 9980	18
1	7.505 1181	99842	7.495 1360 7.505 1203	99843		9.999 9979	17
Ś	7.514 8779	97598	7.514 8802	97599	2.494 8797	9.999 9978	16
ò	7.524 4231	95452	7.514 8802 7.524 4256	95454		9.999 9977	15
7	7-533 7631	93400	7.533 7657	93401		9.999 9975	
3	7.542 9065			91434	2 457 0000	9.999 9974	
)	7.551 8613	87770	7.551 8640	89549		9.999 9972	11
1	7.560 6352	07739	7.560 6380	87740	2 420 2620		10
ı	7.569 2353	86001	7.569 2383	86003	2 122 2612	9.999 9970	9
2	7.577 6684	84331	7.577 6715	84332	2 422 2285	9.999 9970	
3	7.585 9409	82725	7.577 6715 7.585 9441	82726		9.999 9968	
1	7.594 0588	70680	7.594 0621	81180	2 405 0250	9.999 9967	6
į	7.602 0277	78253	7.602 0311	79690		9.999 9965	5
)	7.609 8530	- (06-	7.600 8566	78255	2 200 1424	9.999 9964	
7	7.617 5397	nerat	7.617 5435	76869		9.999 9963	
3	7.625 0928	74240	1.023 0901	75532		9.999 9961	
)	7.632 5168	72992	7.632 5208	74241 72993		9.999 9960	
)	7.639 8160	J. C. Sty	7.639 8201	7-993	2.360 1799	9.999 9959	O
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	S.
			54				

(....

			0,	1 "			
5.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	
0	7.639 8160		7.639 8201	71787	2.360 1799	9.999 9959	60
1	7.646 9945	71785	7.646 9988		2.353 0012	9.999 9957	59
2	7.654 0563	70618	7.654 0608	70620 69489	2.345 9392	9.999 9956	58
3	7.661 0052	68393	7.661 0097	68395	2.338 9903	9.999 9954	57
4	7.667 8445	67334	7.667 8492	67335	2.332 1508	9.999 9953	56
5	7.674 5779	66305	7.674 5827	66307	2.325 4173	9.999 9951	55
6	7.681 2084	65308	7.681 2134	65310	2.318 7866	9.999 9950	54
7 8	7.687 7392	64341	7.687 7444 7.694 1786	64342	2.312 2556 2.305 8214	9.999 9948	53 52
9	7.694 1733 7.700 5134	63401	7.700 5189	63403	2.299 4811	9.999 9947	51
10	7.706 7623	62489		62490			50
-		61602	7.706 7679	61604			_
11	7.712 9225 7.718 9966	60741	7.712 9283 7.719 0026	60743	2.287 0717	9.999 9942	49 48
13	7.724 9869	59903	7.724 9931	59905	2.275 0069	9.999 9939	47
14	7.730 8957	59088	7.730 9020	59089	2,269 0980	9.999 9937	46
15	7.736 7252	58295	7.736 7317	58297	2.263 2683	9.999 9935	45
16	7-742 4775	57523	7.742 4841	57524	2.257 5159	9.999 9934	44
17	7.748 1546	56771 56038	7.748 1614	56773 56040	2.251 8386	9.999 9932	43
18	7.753 7584	55324	7.753 7654	55326	2,246 2346	9.999 9930	42
19	7.759 2908	54629	7.759 2980	54630	2.240 7020	9.999 9928	41
20	7.764 7537	53949	7.764 7610		2.235 2390	9.999 9927	40
21	7.770 1486	53949	7.770 1562	53952 53289	2.229 8438	9.999 9925	39
22	7-775 4774	52642	7-775 4851	52644	2,224 5149	9.999 9923	38
23	7.780 7416	52011	7.780 7495	52013	2.219 2505	9.999 9921	37
24	7.785 9427	51396	7.785 9508	51398	2.214 0492	9.999 9919	36
25	7.791 0823	50794	7.791 0906	50796	2.208 9094	9.999 9917	35
26	7.796 1617 7.801 1825	50208	7.796 1702	50210	2.203 8298 2.198 8088	9.999 9915	34
27 28	7.806 1458	49633	7.801 1912 7.806 1547	49635	2.198 8088	9.999 9911	33
29	7.811 0531	49073	7.811 0622	49075	2.188 9378	9.999 9909	31
-	-	48524		48526	2.184 0852		30
30		47988		47991			_
31	7.820 7043 7.825 4507	47464	7.820 7139	47465	2.179 2861	9.999 9905	29 28
33	7.825 4507 7.830 1458	46951	7.825 4604 7.830 1557	46953	2.174 5396 2.169 8443	9.999 9903	27
34	7.834 7906	46448	7.834 8007	46450	2.165 1993	9.999 9899	26
35	7.839 3863	45957	7.839 3966	45959	2.160 6034	9.999 9896	25
36	7.843 9338	45475	7.843 9444	45478	2.156 0556	9.999 9894	24
37	7.848 4343	45005	7.848 4451	45007	2.151 5549	9.999 9892	23
38	7.852 8885	44542	7.852 8996	44545 44092	2.147 1004	9.999 9890	22
39	7.857 2976	43647	7.857 3088	43650	2.142 6912	9.999 9887	21
40	7.861 6623		7.861 6738	7114	2.138 3262	9.999 9885	20
41	7.865 9836	43213	7.865 9953	43215	2.134 0047	9.999 9883	19
42	7.870 2623	42787	7.870 2743	42790	2.129 7257	9.999 9881	18
43	7.874 4993	42370	7.874 5115	42372	2.125 4885	9.999 9878	17
44	7.878 6953	41559	7.878 7077	41562	2.121 2923	9.999 9876	16
45	7.882 8512	41165	7.882 8639	41167	Comment of the second	9.999 9873	15
46	7.886 9677	40778	7.886 9806	40781	2.113 0194		14
47 48	7.891 0455 7.895 0854	40399	7.891 0587 7.895 0988	40401	2.104 9012	9.999 9869 9.999 9866	13
49	7.899 0881	40027	7.899 1017	40029	2.104 9012	9.999 9864	11
		39661		39664		- 01	10
50	7.903 0542	39302		39304	2.096 9319		_
51	7.906 9844	38949	7.906 9985	38953	2.093 0015	9.999 9859 9.999 9856	9
52	7.910 8793	38604	7.910 0930	38605	2.089 1062	9.999 9853	7
53 54	7.914 7397 7.918 5660	38263	7.914 7543 7.918 5809	38266	2.081 4191		6
55	7.922 3589	37929	7.922 3741	37932	2.077 6250	9.999 9848	5
56	7.926 1190	37601	7.926 1344	37603	2.073 8656		4
57	7.929 8467	37277	7.929 8625	37281	2.070 1375	9.999 9843	3
58	7.933 5428	36961 36649	7.933 5588	36963 36651	2.066 4412	9.999 9840	2
59	7.937 2077		7.937 2239		2.062 7761		
60	7.940 8419	36342	7.940 8584	36345	2.059 1416	9.999 9835	0
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	S.
_			54				

			0 4	2 ¹¹⁴			
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	
0	7.940 8419	36040	7.940 8584	26012	2.059 1416	9.999 9835	60
1	7.944 4459		7.944 4627	36043	2.055 5373	9.999 9832	59
2	7.948 0203	35744 35451	7.948 0374	35747	2,051 9626	9.999 9829	58
3	7.951 5654	35165	7.951 5828	35454 35168	2,048 4172	9.999 9826	57
4	7.955 0819	34883	7.955 0996	34885	2.044 9004	9.999 9823	56
5	7.958 5702	34604	7.958 5881	34607	2.041 4119	9.999 9821	55
6	7.962 0306	34331	7.962 0488	34334	2.037 9512	9.999 9818	54
7	7.965 4637 7.968 8698	34061	7.965 4822 7.968 8886	34064	2.034 5178	9.999 9815	53
		33797	7.972 2686	33800	2.031 1114		52
9		33535	'	33538	2.027 7314		51
10	7.975 6030	33279	7.975 6224	33282	2.024 3776	9.999 9806	50
11	7.978 9309	33025	7.978 9506	33028	2.021 0494	9.999 9803	49
12	7.982 2334	32776	7.982 2534	32779	2.017 7466	9.999 9800	48
13	7.985 5110	32531	7.985 5313	32534	2,014 4687	9.999 9797	47
14	7.988 7641	32288	7.988 7847	32291	2.011 2153	9.999 9794	46
15 16	7.991 9929 7.995 1980	32051	7.992 0138 7.995 2192	32054	2.007 9862	9.999 9791	45
17	7.995 1980 7.998 3795	31815	7.995 2192 7.998 4011	31819	2.004 7000	9.999 9788	43
18	8.001 5379	31584	8.001 5598	31587	1.998 4402	9.999 9781	42
19	8.004 6735	31356	8.004 6957	31359	1.995 3043	9.999 9778	41
20	8.007 7867	31132	8.007 8092	31135			-
		30909		30913		9.999 9775	40
21	8.010 8776	30692	8.010 9005	30694	1.989 0995	9.999 9772	39
22	8.013 9468 8.016 9943	30475	8.013 9699 8.017 0178	30479	1,986 0301	9.999 9768	38
23 24	8.016 9943 8.020 0207	30264	8.017 0178 8.020 0445	30267	1.982 9822	9.999 9765	37
24 25	8.023 0261	30054	8.023 0502	30057	1.979 9555	9.999 9762	36
26	8.026 0108	29847	8.026 0353	29851	1.976 9498	9.999 9759 9.999 9755	35
27	8.028 9752	29644	8.029 0000	29647	1.971 0000	9.999 9752	33
28	8.031 9195	29443	8.031 9446	29446	1.968 0554	9.999 9748	32
29	8.034 8439	29244	8.034 8694	29248	1.965 1306	9.999 9745	31
30	8.037 7488	29049	8.037 7746	29052	1.962 2254	7	_
_		28855		28859			30
31	8.040 6343 8.043 5009	28666	8.040 6605 8.043 5274	28669	1.959 3395	9.999 9738	28
32 33	8.046 3486	28477	8.043 5274 8.046 3755	28481	1.956 4726	9.999 9735	27
33 34	8.049 1778	28292	8.049 2050	28295	1.953 6245	9.999 9731	26
35	8.051 9886	28108	8.052 0162	28112	1.947 9838	9.999 9724	25
36	8.054 7814	27928	8.054 8094	27932	1.945 1906	9.999 9721	24
37	8.057 5563	27749	8.057 5846	27752	1.942 4154	9.999 9717	23
38	8.060 3137	27574	8.060 3423	27577	1.939 6577	9.999 9713	22
39	8.063 0536	27399	8.063 0826	27403	1.936 9174	9.999 9710	21
40	8.065 7763	27227	8.065 8057	27231	1.934 1943	9.999 9706	20
41	8.068 4821	27058	8.068 5118	27061			10
42	8.071 1711	26890	8.071 2012	26894	1.931 4882	9.999 9702	18
43	8.073 8436	26725	8.073 8741	26729	1.926 1259	9.999 9695	17
44	8.076 4997	26561	8.076 5306	26565	1.923 4694	9.999 9691	16
45	8.079 1396	26399	8.079 1709	26403	1.920 8291		13
46	8.081 7637	26241	8.081 7953	26244	1.918 2047	9.999 9684	14
47	8.084 3719	26082	8.084 4039	26086	1.915 5961	9.999 9680	I
	8.086 9646	25927	8.086 9970	25931	1.913 0030	9.999 9676	12
49	8.089 5419	25773 25621	8.080 5747	25777 25625	1.910 4253	9.999 9672	11
50	8.092 1040		18.002 13721		1.907 8628	9.999 9668	10
51		25470	8 004 6846	25474	1.905 3154		-
3		25322	8.007 2172	25326	1 002 7828		8
,	8.099 7008	25176	8 000 7251	25179		9.999 9656	1
	8.102 2038	25030, 24887	8 102 2286	25035	+ Som more		(
ı	8.104 6925	24744	8.104 7276	24890		9.999 9648	3
	8.107 1669	24/44 24605	8.107 2025	24749 24609	1.892 7975	9.999 9644	4
ł	8.109 6274	24466	8.109 6634	24470		9.999 9640	13
	8.112 0740	24329	8.112 1104	24333	1.007 0090	9.999 9636	2
.	8.114 5069	24193	8.114 5437	24197	1.885 4563		_1
]	8.116 9262	-4.93	8.116 9634	-419/		9.999 9628	-
1	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	5.
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	
0	8.116 9262	24060	8.116 9634	2.26	1.883 0366	9.999 9628	60
I	8.119 3322	24060 23926	8.119 3698	24064	1.880 6302	9.999 9624	59
2	8.121 7248	23796	8.121 7629	23931	1.878 2371	9.999 9620	58
3	8.124 1044	23666	8.124 1429	23670	1.875 8571	9.999 9615	57
4	8.126 4710	23538	8.126 5099	23542	1.873 4901	9.999 9611	56
5	8.128 8248 8.131 1658	23410	8.128 8641 8.131 2056	23415	1.871 1359	9.999 9607	55
7	8.133 4943	23285	8.131 2056 8.133 5345	23289	1.868 7944 1.866 4655	9.999 9603	54
Ś	8.135 8104	23161	8.135 8510	23165	1.864 1490		53 52
9	8.138 1143	23039	8.138 1553	23043	1.861 8447	9.999 9590	51
10	8.140 4059	22916	8.140 4474	22921	1.859 5526	9.999 9585	50
11	8.142 6855	22796	8.142 7274	22800	-		-
12	8.144 9532	22677	8.144 9956	22682	1.857 2726	9.999 9581	49
13	8.147 2092	22560	8.147 2520	22564	1.852 7480	9.999 9577 9.999 9572	
14	8.149 4534	22442	8.149 4967	22447	1.850 5033	9.999 9568	47
15	8.151 6862	22328	8.151 7299	22332	1.848 2701	9.999 9563	45
16	8.153 9075	22213	8.153 9516	22217	1.846 0484	9.999 9559	44
17	8.156 1175	21988	8.156 1621	21992	1.843 8379	9.999 9554	43
18	8.158 3163	21877	8.158 3613	21882	1.841 6387	9.999 9550	42
19	8.160 5040	21768	8.160 5495	21772	1.839 4505	9.999 9545	41
20	8.162 6808	21659	8.162 7267	21664	1.837 2733	9.999 9541	40
21	8.164 8467	21552	8.164 8931	21556	1.835 1069	9.999 9536	39
22	8.167 0019	21445	8.167 0487	21450	1.832 9513	9.999 9531	38
23	8.169 1464	21340	8.169 1937	21345	1.830 8063	9.999 9527	37
24 25	8.171 2804 8.173 4039	21235	8.171 3282	21240	1.828 6718	9.999 9522	36
26	8.175 5171	21132	8.173 4522 8.175 5658	21136	1.826 5478	9.999 9517	35
27	8.177 6201	21030	8.177 6693	21035	1.824 4342 1.822 3307	9.999 9513	34
28	8.179 7129	20928	8.179 7626	20933	1.820 2374	9.999 9503	33
29	8.181 7957	20828	8.181 8459	20833	1.818 1541	9.999 9498	31
30	8.183 8685	20728	8.183 9192	20733	1.816 0808	9.999 9494	30
31	8.185 9315	20630	8.185 9827	20635	1.814 0173		-
32	8.187 9848	20533	8.188 0364	20537	1.811 9636	9.999 9489	29
33	8.190 0284	20436	8.190 0805	20441	1.809 9195	9.999 9479	27
34	8.192 0624	20340	8.192 1150	20345	1.807 8850		26
35	8.194 0869	20245 20151	8.194 1400	20250	1.805 8600		25
36	8.196 1020	20058	8.196 1556	20063	1.803 8444	9.999 9464	24
37	8.198 1078	19966	8.198 1619	19971	1.801 8381	9.999 9459	23
38 39	8.200 1044 8.202 0919	19875	8.200 1590 8.202 1470	19880	1.799 8410		22
-		19784		19789	1.797 8530	9.999 9449	21
40	8.204 0703	19694	8.204 1259	19699	1.795 8741	9.999 9444	20
41	8.206 0397	19605	8.206 0958	19610	1.793 9042	9.999 9439	19
42	8.208 0002 8.209 9520	19518	8.208 0568	19523	1.791 9432	9.999 9434	18
43 44	8.211 8949	19429	8.210 0091 8.211 9526	19435	1.789 9909	9.999 9429	17
44	8.213 8293	19344	8.213 8874	19348	1.788 0474 1.786 1126		16
46	8.215 7550	19257	8.215 8137	19263	1.784 1863	9.999 9419	15
47	8.217 6723	19173	8.217 7314	19177	1.782 2686	9.999 9413	13
48	8.219 5811	19088	8.219 6408	19094	1.780 3592		12
49	8.221 4815	19004	8.221 5418	19010	1.778 4582	9.999 9398	11
50	8.223 3737	18922	8.223 4345	18927	1.776 5655	9.999 9392	10
51	8.225 2577	18840	8.225 3190	18845	1.774 6810	9.999 9387	9
52	8.227 1335	18758	8.227 1953	18763	1.772 8047	9.999 9382	8
53	8.229 0013	18678 18597	8.229 0636	1868 ₃ 1860 ₃	1.770 9364	9.999 9377	
54	8.230 8610	18518	8.230 9239	18524	1.769 0761		7
55	8.232 7128	18440	8.232 7763	18445	1.767 2237		5
56	8.234 5568	18362	8.234 6208	18367		9.999 9360	4
57 58	8.236 3930 8.238 2214	18284	8.236 4575	18290	1.763 5425		3
50 59	8.240 0422	18208	8.238 2865 8.240 1078	18213	1.761 7135	9.999 9349	2
<u> </u>	8.241 8553	18131		18137	1.759 8922	9.999 9344	_1
30	Cos.	d.	8.241 9215 Cotang.			9.999 9338	C
		и.	LOCADO I	d. c.	Tang.	Sin,	S.

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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	
0	8.241 8553	18056	8.241 9215	18061	1.758 0785	9.999 9338	60
1	8.243 6609	17982	8.243 7276	17987	1.756 2724	9.999 9333	59
2	8.245 4591	17907	8.245 5263	17913	1.754 4737	9.999 9327	58
3	8.247 2498	17834	8.247 3176	17839		9.999 9322	57
4	8.249 0332	17760	8.249 1015	17767	1.750 8985	9.999 9316	56
5	8.250 8092	17689	8.250 8782	17694	1.749 1218	9.999 9311	55
	8.252 5781 8.254 3397	17616	8.252 6476	17622	1.747 3524	9.999 9305	54
7 8	8.254 3397 8.256 0943	17546	8.254 4098	17551	1.745 5902	9.999 9299	53
9	8.257 8417	17474	8.256 1649 8.257 9129	17480	1.743 8351	9.999 9294	52
10		17405		17411	1.742 0871	9.999 9288	51
		17335	8.259 6540	17341	1.740 3460	9.999 9282	50
[]	8.261 3157	17267	8.261 3881	17272	1.738 6119	9.999 9276	49
12	8.263 0424	17197	8.263 1153	17204	1.736 8847	9.999 9271	48
13	8.264 7621	17130	8.264 8357	17135	1.735 1643	9.999 9265	47
14	8.266 4751	17063	8.266 5492	17069	1.733 4508	9.999 9259	46
15 16	8.268 1814 8.269 8810	16996	8.268 2561	17002		9.999 9253	45
17	8.269 8810 8.271 5740	16930	8.269 9563	16935	1.730 0437	9.999 9247	44
18	8.273 2604	16864	8.271 6498	16870	1.728 3502	9.999 9241	43
19	8.274 9402	16798	8.273 3368 8.275 0173	16805	1.726 6632	9.999 9236	42
20		16734		16739	1.724 9827	9.999 9230	41
	8.276 6136	16670	8.276 6912	16676	1.723 3088	9.999 9224	40
21	8.278 2806	16605	8.278 3588	16612	1.721 6412	9.999 9218	39
22	8.279 9411	16543	8.280 0200	16548		9.999 9212	38
23	8.281 5954	16480	8.281 6748	16486	1.718 3252	9.999 9206	37
24	8.283 2434	16417	8.283 3234	16424	1.716 6766	9.999 9200	36
25 26	8.284 8851 8.286 5207	16356	8.284 9658	16361	1.715 0342	9.999 9193	35
		16294	8.286 6019	16301	1.713 3981	9.999 9187	34
27 28		16233	8.288 2320	16239	1.711 7680	9.999 9181	33
29	, ,,,,,	16173	8.289 8559	16179	1.710 1441	9.999 9175	32
_		16113	8.291 4738	16119	1.708 5262	9.999 9169	31
30	8.293 0020	16053	8.293 0857	16059	1.706 9143	9.999 9163	30
31	8.294 6073	15994	8.294 6916	16001	1.705 3084	9.999 9157	29
32	8.296 2067	15935	8.296 2917	15941	1.703 7083	9.999 9150	28
33	8.297 8002	15877	8.297 8858	15884		9.999 9144	27
34	8.299 3879	15820	8.299 4742	15825	1.700 5258	9.999 9138	26
35	8.300 9699	15761	8.301 0567	15768	1.698 9433	9.999 9131	25
36	8.302 5460	15705	8.302 6335	15711	1.697 3665	9.999 9125	24
37 38	8.304 1165 8.305 6813	15648	8.304 2046	15655	1.695 7954	9.999 9119	23
		15592	8.305 7701	15598	1.694 2299	9.999 9112	22
39		15536	8.307 3299	15543	1.692 6701	9.999 9106	21
40	8.308 7941	15481	8.308 8842	15487	1.691 1158	9.999 9100	20
4 I	8.310 3422	15426	8.310 4329		1.689 5671	9.999 9093	19
42	8.311 8848	15371	8.311 9761	15432	1.688 0239	9.999 9087	18
43	8.313 4219	15317	8.313 5139	15323	1.686 4861	9.999 9080	17
44	8.314 9536	15263	8.315 0462	15270	1.684 9538	9.999 9074	16
45	8.316 4799	15209	8.316 5732	15216	1.683 4268		15
46	8.318 0008	15157	0.315 0946	15163	1.681 9052	9.999 9061	14
47 48	8.319 5165	15104	8.319 6111	15110	1.680 3889	9.999 9054	13
	8.321 0269	15051	0.321 1221	15058		9.999 9047	12
49		14999	0.322 0279	15006	1.677 3721	9.999 9041	11
50	8.324 0319	14948	8.324 1285	1 1 2 2	1.675 8715	9.999 9034	10
51	8.325 5267	14896	8.325 6240	14955	1.674 3760	9.999 9027	9
	8.327 0163	14846	8.327 1143	14903 14852	1.672 8857	9.999 9021	8
53	8.328 5009	14795	8.328 5995	14801	1.671 4005	9.999 9014	
	8.329 9804	14744	8.330 0796	14752	1.669 9204	9.999 9007	7
15	8.331 4548	14695	8.331 5548	14701	1.668 4452	9.999 9001	5
	8.332 9243	14645	8.333 0249	14652	1.666 9751	9.999 8994	4
57	8.334 3888	14596	8.334 4901	14603	1.665 5099	9.999 8987	3
58		14547	0.335 9504	14554	1.664 0496	9.999 8980	2
59	8.337 3031	14408	8.337 4058	14505	1.662 5942	9.999 8973	1
00	8.338 7529		8.338 8563	-43~3	1.661 1437	9.999 8966	0
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	s.

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5.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.		
०	8.338 7529	14470	8.338 8563	TAACE	1.661 1437		60	lii lii
ī	8.340 1979	14450	8.340 3020	14457 14409	1.659 6980	9.999 8959	59	
2	8.341 6382	14354	8.341 7429	14362		9.999 8953	58	
3 4	8.343 0736 8.344 5043	14307	8.343 1791 8.344 6105	14314	1.655 3895	9.999 8946 9.999 8939	57 56	
5	8.345 9304	14261	8.346 0372	14267	1.653 9628	9.999 8932		
ő	8.347 3517	14213 14167	8.347 4592	14220	1.652 5408	9.999 8925		
7	8.348 7684	14121	8.348 8767	14128	1.651 1233		53	
8	8.350 1805 8.351 5881	14076	8.350 2895 8.351 6977	14082	1.648 3023	9.999 8911 9.999 890 3	52 51	
10	8.352 9910	14029	8.353 1014	14037	1.646 8986	9.999 8896	50	
11	8.354 3895	13985	8.354 5006	13992		9.999 8889	49	
12	8.355 7835	13940 13895	8.355 8953	13947	1.644 1047	9.999 8882	4 8	
	8.357 1730	13850	8.357 2855	13902 13858	1.642 7145	9.999 8875	47	
14	8.358 5580	13807	8.358 6713	13814	1.641 3287	9.999 8868 9.999 8860		
	8.359 9387 8.361 3150	13763	8.360 0527 8.361 4297	13770			45 44	
17	8.362 6869	13719	8.362 8023	13726 13684	1.637 1977	9.999 8846	43	
	8.364 0545	13676 13634	8.364 1707	13640	1.635 8293	9.999 8839	42	
19	8.365 4179	13590	8 365 5347	13598	1.634 4653	9.999 8831	41	
	8.366 7769	13548	8.366 8945	13556	1.633 1055	9.999 8824	40	
	8.368 1317	13506	8.368 2501 8.369 6014	13513		9.999 881 7 9.999 8809	39	
23	8.369 4823 8.370 8287	13464	8.370 9485	13471		9.999 8802		
	8.372 1710	13423	8.372 2915	13430		9.999 8794		
25	8.373 5091	13381	8.373 6304	13389 13347		9.999 8787	35	
	8.374 8430	13299	8.374 9651	13307			34	
27 28	8.376 1729 8.377 4988	13259	8.376 2958 8.377 6223	13265	1.623 7042	9.999 8772 9.999 8764	33	
	8.378 8206	13218	8.378 9449	13226	1.621 0551	9.999 8757	31	
1	8.380 1384	13178	8.380 2634	13185	1.619 7366	9.999 8749	30	
	8.381 4522	13138	8.381 5780	13146	1.618 4220	9.999 8742	29	
32	8.382 7620	1 3098 1 3059	8.382 8886	13106		9.999 8734		
33	8.384 0679 8.385 3699	13020	8.384 1953 8.385 4980	13027		9.999 8726 9.999 8719	27 26	
35	8.386 668o	12981	8.386 7969	12989	1.613 2031		25	
36	8.387 9622	12942	8.388 0918	12949	1.611 9082	9.999 8703	24	
	8.389 2526	12865	8.389 3830	12873		9.999 8696		
	8.390 5391 8.391 8218	12827	8.390 6703 8.391 9538	12835	1.609 3297 1.608 0462	9.999 8688 9.999 8680	22 2 I	
	8.393 1008	12790	8.393 2 336	12798	1.606 7664	9.999 8672	20	
	8.394 3760	12752	8.394 5095	12759		9.999 8665	19	
42	8.395 6475	12715	8.395 7818	12723	1.604 2182	9.999 8657	18	
43	8.396 9152	12677 12641	8.397 0503	12685 12649	1.602 9497	9.999 8649	17	
	8.398 1793	12604	8.398 3152	12612	1.601 6848	9.999 8641 9.999 8633	16	
45 46	8.399 4397 8.400 6964	12567	8.400 8330	12575		9.999 8625		
	8.401 9495		8.402 0878	12539	1.597 9122	9.999 8617	13	
48	8.403 1990	12495 12459	8.403 3381	12503	1.596 6619	9.999 8609	I 2	
<u>49</u>	8.404 4449	12424	8.404 5848	12432	1.595 4152		11	
50	8.405 6873	12388	8.405 8280	12396	1.594 1720	9.999 8593	10	
51	8.406 9261 8.408 1614	12353	8.407 0676 8.408 3037	12361	1.592 9324	9.999 8585 9.999 8577	9 8	
	8.409 3931	12317	8.409 5362	12325	T. 500 4628	9.999 8569	7	
54	8.410 6214	12283 12248	8.410 7653	12291 12257	1.589 2347	9.999 8561	6	
55	8.411 8462	12214	8.411 9910	12222	1.588 0090	9.999 8553	5	
	8.413 0676 8.414 2856	12180	8.413 2132 8.414 4319	12187		9.999 8544 9.999 8536	4 3	
58	8.415 5001	12145	8.415 6473	12154	1.584 3527	9.999 8528	2	
59	8.416 7112	12111	8.416 8593	12120	1.583 1407	9.999 8520	1	
60	8.417 9190	12070	8.418 0679	12000		9.999 8512	lo	1
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	s.	,
			5^	54 m				
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s.	Sin.	d.	Tang.	d. c.	Cotang,	Cos.		
의	8.417 9190	12044	8.418 0679	12052	1.581 9321	9.999 8512	60	
1	8.419 1234	12011	8.419 2731	12019			59	
3	8.420 3245 8.421 5223	11978	8.420 4750 8.421 6736	11986		9.999 8495	C-C-2	
4	8.422 7168	11945	8.422 8600	11954	The second second		57 56	
5	8.423 9080	11912	8.424 0610	11920			55	
6	8.425 0959	11847	8.425 2498	11855		9.999 8461	54	
7	8.426 2806	11815	8.426 4353	11823		9.999 8453	53	
8	8,427 4621 8,428 6404	11783		11792			52	
9	8.429 8154	11750	8.429 9727	11759	1.571 2032	-	51	
11	8.430 9873	11719	8 427 7454	11727	1.570 0273	9.999 8428	50	
2	8.432 1561	11688	8.431 1454 8.432 3150	11696			49 48	
3	8.433 3217	11656	0 0	11665			47	
14	8.434 4842	11625	8.434 6448	11633		The second second	46	
5	8.435 6436	11563	0.435 0051	11571			45	
6	8.436 7999	11532	8.436 9622	11541		9.999 8376		
7	8.437 9531 8.439 1032	11501		11510	1.561 8837	9.999 8368 9.999 8359		
9	8.440 2503	11471	8.440 4153	11480	1.559 5847	9.999 8350	41	
:0	8.441 3944	11441	8.441 5603	11450	1.558 4397	9.999 8342	40	
1	8.442 5355	11411	8.442 7023	11420	1.557 2977		39	
22	8.443 6736	11381	8.443 8412	11389	1.556 1588	9.999 8324	38	
3	8.444 8087	11351	8.444 9772	11360			37	
4	8.445 9409	11292	8.446 1103	11301	1.553 8897		36	
5	8.447 0701	11263	0.447 2404	11271			35	
:6 :7	8.448 1964 8.449 3198	11234	8.448 3675 8.449 4918	11243		9.999 8289	34	
8	8.450 4402	11204	8.450 6131	11213	1.549 3869		32	
29	8.451 5578	11176	8.451 7316	11185	1.548 2684	9.999 8262	31	
30	8.452 6725	11147	8.452 8472	11156	1.547 1528	9.999 8253	30	
31	8.453 7844	11119	8 452 0500	11127	1.546 0401	9.999 8244	29	
32	8.454 8934	11090	8.455 0699	11100	1.544 9301	9.999 8235	28	
33	8.455 9996	11033	0.450 1709	11043	1.543 8231	9.999 8226	27	
34	8.457 1029	11006	8.457 2812	11015	1.542 7188		26	
35 36	8.458 2035 8.459 3013	10978	8.458 3827 8.459 4814	10987		9.999 8208	25	
37	8.460 3963	10950	8 460 5772	10959	1.539 4227		23	
8	8.461 4886	10923	8.461 6705	10932	1.538 3295		22	
39	8.462 5781	10868	8.462 7609	10877	1.537 2391	9.999 8172	21	
10	8.463 6649	10840	8.463 8486	10850	1,536 1514	,,,,	20	
1	8.464 7489	10814	0.404 9330	10823	1.535 0664	9.999 8153	19	
2	8.465 8303	10787	0.400 0159	10796	1.533 9841	9.999 8144	18	
3	8.466 9090 8.467 9850	10760	0.407 0955	10770			17	
5	8.469 0584	10734	8.468 1725 8.469 2468	10743		9.999 8125 9.999 8116		
6	8.470 1291	10707	8.470 3184	10716	1.529 6816	9.999 8107	14	
7	8.471 1971	10655	0.471 3074	10690	1,528 6126	9.999 8097	13	
ا8إ	8.472 2626	10628	8.472 4538	10637	1.527 5462	9.999 8088	12	
19	8.473 3254	10602	8.473 5175	10612	1.526 4825		11	
;o	8.474 3856	10577	8.474 5787	10586	1.525 4213		10	
[1	8.475 4433	10551	0.4/5 03/3	10560	1.524 3627	9.999 8060	8	
	8.476 4984 8.477 5509	10525	8.476 6933 8.477 7468	10535	1.523 3067	9.999 8050	7	
4	8.478 6009	10500	8.478 7977	10509		9.999 8031	6	
5	8.479 6483	10474	0 0.6.	10484	1.520 1539	9.999 8022	5	
6	8.480 6932	10449	0.400 0920	10459	1.519 1080	9.999 8012	4	
27	8.481 7356	10399	0.401 9353	10409	1.518 0647	9.999 8003	3	
8	8.482 7755 8.483 8129	10374		10384	1.517 0238	9.999 7993	1	
"	8.484 8479	10350	8.485 0505	10359			-	
4	Cos.	d.				9.999 7974 Sin.	0	
4	Cos.	u.	Cotang.	d. c.	Tang.	om.	s,	
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5.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	Ė
0	8.484 8479		8.485 0505		1.514 9495	9.999 7974	60
-	8.485 8804	10325	8.486 0839	10334	1.513 9161	9.999 7964	59
2	8.486 9104	10300	8.487 1149	10310	1.512 8851	9.999 7955	58
3	8.487 9380	10276	8.488 1435	10286	1.511 8565	9.999 7935	57
4	8.488 9632	10252	8.489 1696	10261	1.510 8304		56
	8.489 9859	10227	8.490 1934	10238	1.509 8066		55
5	8.491 0063	10204	8.491 2147	10213	1.508 7853	9.999 7916	54
	8.492 0242	10179	8.492 2336	10189	1.507 7664	9.999 7906	53
7 8	8.493 0398	10156	8.493 2502	10166	1.506 7498	9.999 7896	52
9	8.494 0530	10132	8.494 2643	10141	1.505 7357	9.999 7886	51
10	8.495 0638	10108	8.495 2762	10119			_
		10085		10094	1.504 7238	9.999 7876	50
11	8.496 0723	10061	8.496 2856	10072	1.503 7144	9.999 7866	49
12	8.497 0784	10039	8.497 2928	10048	1.502 7072	9.999 7856	48
13	8.498 0823	10015	8.498 2976	10025	1.501 7024	9.999 7847	47
14	8.499 0838	9991	8.499 3001	10002	1.500 6999	9.999 7837	46
15	8.500 0829	9969	8.500 3003	9979	1.499 6997	9.999 7827	45
16	8.501 0798	9947	0.301 2902	9956	1.498 7018	9.999 7817	44
17	8.502 0745	9923	8.502 2938	9933	1.497 7062	9.999 7807	43
18	8.503 0668	9901	8.503 2871	9933	1.496 7129	9.999 7797	42
19	8.504 0569	9878	8.504 2782	9889	1.495 7218	9.999 7786	41
20	8.505 0447		8.505 2671		1.494 7329	9.999 7776	40
2 I	8,506 0303	9856	8.506 2536	9865	1.493 7464		<u>-</u> 39
22	8.507 0136	9833	8.507 2380	9844	1.492 7620		38
23	8.507 9947	9811	8.508 2201	9821	1.491 7799		
24	8.508 9736	9789	8.509 2001	9800			37
25	8.509 9503	9767	8.510 1778	9777	1.490 7999		36
26	8.510 9248	9745	8.511 1533	9755	1.488 8467	9.999 7726	35
27	8.511 8972	9724	8.512 1267	9734	1.487 8733	9.999 7715	34
28	8.512 8673	9701	8.513 0978	9711		9.999 7705	33
29		9680	8.514 0668	9690		9.999 7695	32
		9658		9669	1.485 9332	9.999 7684	31
30	8.514 8011	9637	8.515 0337	9647	1.484 9663	9.999 7674	30
31	8.515 7648	9616	8.515 9984	9626	1.484 0016	9.999 7664	29
32	8.516 7264		8.516 9610	9605	1.483 0390	9.999 7653	28
33	8.517 6858	9594	8.517 9215	9005	1.482 0785	9.999 7643	27
34	8.518 6431	9573	8.518 8798	9583	1.481 1202		26
35	8.519 5983	9552	8.519 8361	9563	1.480 1639	9.999 7622	25
36	8.520 5514	9531	8.520 7902	9541	1.479 2098		24
37 l	8.521 5024	9510	8.521 7423	9521	1.478 2577	9.999 7601	23
38	8.522 4513	9489 9469	8.522 6922	9499	1.477 3078	9.999 7591	22
39	8.523 3982		8.523 6401	9479	1.476 3599	9.999 7580	21
40	8.524 3430	9448	8.524 5860	9459	1.475 4140	9.999 7570	20
	8.525 2857	9427		9438			
4I		9407		9418	1.474 4702	9.999 7559	19
42	8.526 2264 8.527 1651	9387	8.526 4716 8.527 4113	9397	1.473 5284		18
43		9366		9377	1.472 5887	9.999 7538	17
44	8.528 1017	9346	8.528 3490	9357	1.471 6510		16
45	8.529 0363	9326	8.529 2847	9336	1.470 7153		15
	8.529 9689	9306	8.530 2183	9317	1.469 7817		
47 48	8.530 8995	9286	0.531 1500	9297	1.468 8500		13
48	8.531 8281	9267	0.532 0/9/	9277	1.467 9203		12
49	8.532 7548	9246	8.533 0074	9257	1.466 9926		11
50	8.533 6794	9227	8.533 9331	9238	ODDO ODBAIL	9.999 7463	10
51	8.534 6021		8.534 8569			9.999 7452	9
52	8.535 5228	9207	8.535 7787	9218	T 464 2212		s
53	8.536 4416	9188	8.536 6986	9199	1.462 3014		7
54	8.537 3585	9169	8.537 6165	9179	1.462 3835		6
55	8.538 2734	9149	8.538 5325	9160	1 461 4675		5
56	8.539 1863	9129	8.539 4466	9141	1.460 5534	9.999 7398	4
57 İ	8.540 0974	9111	8.540 3587	9121	1.459 6413		3
58	8.541 0066	9092	8.541 2690	9103		9.999 7376	2
59	8.541 9138	9072	8.542 1772	9083	1.457 8227	9.999 7365	1
6 60		9054	8.543 0838	9065	1.456 9162		
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_	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	s.

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s.	Sin.	d.	Tar	ng.	d. c.	Cotang.	Cos.	d.			
0	8.542 8192	0024	8.543		00.6	1.456 9162	9.999 7354		60		11
1	8.543 7226	9034 9016	8.543	9884	9046	1.456 0116	9.999 7343	11	59	1	1.1
2	8.544 6242	8998	8.544	8911	9027	1.455 1089		12	58	2	2 2
3	8.545 5240	8978	8.545		8990	1.454 2081	9.999 7320	II	57	3	3.3
4	8.546 4218	8960	8.546	6909	8971	1.453 3091	9.999 7309	11	56	4	4.4
5	8.547 3178 8.548 2120	8942	8.547 8.548	5880	8953	1.452 4120		11	55	5	5.5
7	8.549 1043	8923	8.549	2767	8934	1.451 5167	9.999 7287 9.999 7276	11	54		6.6
8	8,549 9948	8905	8.550	2683	8916	1.449 7317	9.999 7270	11	53 52	7 8	7.7 8.8
9	8.550 8834	8886	8.551		8898	1.448 8419		12	51	9	9.9
10	8.551 7703	8869	8.552		888o	1.447 9539	9.999 7242	11	50	91	99
11	8.552 6553	8850	~		8861	1.447 0678		11	_		
2	8.553 5386	8833	8.553	8166	8844	1.446 1834		11	49 48		
13	8.554 4200	8814	8.554		8826 8808	1.445 3008		12	47		
4	8.555 2997	8797 8778	8.555	5800	8790	1.444 4200		11	46		
5	8.556 1775	8761	8.556	4590	8772	1.443 5410	9.999 7186	11	45		
	8.557 0536	8744	8.557	3362	8755	1.442 6638	9.999 7174	11	44		
7 8	8.557 9280	8725	8.558	2117	8737	1.441 7883	9.999 7163	12	43		
9	8.558 8005 8.559 6714	8709	8.559	0054	8720		9.999 7151	II	42		
20	8.560 5404	8690	8.559	8226	8702	1.440 0426		12	41		
-		8674	8.560		8685	1.439 1724	9.999 7128	11	40		
21	8.561 4078	8656	8.561	0901	8667	1.438 3039	9.999 7117	12	39		
23	8.562 2734 8.563 1373	8639	8.562 8.563	1270	8651	1.437 4372		11	38		
24	8.563 9994	8621	8.564	2012	8633	1.436 5721	9.999 7094 9.999 7082	12	37		
	8.564 8599	8605	8.565	1528	8616	1.434 8472	9.999 7082	11	35		12
6	8.565 7186	8587	8.566	0127	8599	1.433 9873	9.999 7059	12	34	1	1'2
7	8.566 5757	8571 8553	8.566	8709	8582 8566	1.433 1291	9.999 7047	12	33	2	2.4
	8.567 4310	8537	8.567	7275	8548	1.432 2725		11	32	3	3.6
29	8.568 2847	8520	8.568		8532	1.431 4177	9.999 7024	12	31	4	4.8
30	8.569 1367	8504	8.569		8515	1.430 5645	9.999 7012		30	5	6.0
31	8.569 9871	8486	8.570		8498	1.429 7130	9.999 7001	11	29		7.2
32	8.570 8357	8470	8.571		8482	1.428 8632	9.999 6989	12	28	7	8.4
33	8.571 6827	8454	8.571	9850	8466	1.428 0150		12	27	8	0.8
34 35	8.572 5281 8.573 3718	8437	8.572 8.573	6760	8449	1.427 1684	9.999 6965	12	26	9	100
36	8.574 2139	8421	8.574	5107	8432	1.426 3235	9.999 6953	11	25		
37	8.575 0543	8404	8.575	3614	8417	1.424 6386		12	24 23		
8	8.575 8932	8389	8.576	2014	8400	1.423 7986		12	22		
39	8.576 7304	8372	8.577	0398	8384	1.422 9602	9.999 6906	12	21		
ļΟ	8.577 5660	8356		8766	8368	1.422 1234	9.999 6894	12	20		
1.1	8.578 3999	8339	8.578		8351	1.421 2883		12	19		
2	8.579 2323	8324 8308	8.579	5453	8336	1.420 4547		12	18		
13	8.580 0631	8292	8.580	3773	8320 8304	1.419 6227		12	17		
4	8.580 8923	8276	8.581	2077	8288	1.418 7923	9.999 6846	12	16		
5	8.581 7199	8261	8.582	0365	8273		9.999 6834	12	15		
10 17	8.582 5460 8.583 3704	8244	8.582	6804	8256		9.999 6822	12	14		
8	8.584 1933	8229		5126	8256 8242	1.415 4864	9.999 6810 9.999 6798	12	13		
9	8.585 0147			3361	8225	1.414 6639		12	12 11		
	8.585 8345	8198	8.586		8210	1.413 8429		13	10		1.2
; [8.586 6527	8182	8.586	0766	8195			12	_		13
2	8.587 4694	8167	8.586 8.587	7945	8179	1.412 2055	9.999 6761 9.999 6749	12	8	1 2	2.6
3	8.588 2846	8152 8136	8.588	6109	8164	1.411 3801	9.999 6737	12	7	3	3.9
4	8.589 0982	8130	8.589	4258	8149	1.410 5742	9.999 6724	13	6	4	5.5
55	8.589 9103	8106	8.590	2391	8133 8118	1.409 7609	9.999 6712	12	5	4 5 6	5°2 6°5
	8.590 7209	8091	8.591	0509	8104	1.408 9491	9.999 6700	12	4	6	7.8
7	8.591 5300	8076	8.591	8613	8088	1.408 1387	9.999 6688	12	3	7 8	9.1
	8.592 3376 8.593 1437	8061	8.592	4774	8073		9.999 6675	12	2		10'4
59		8046	8.593	2822	8058	1.406 5226		13		91	11.7
~			8.594				9.999 6650	-	0		
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Section Sect	S.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.	П	
1 S. S. S. S. S. S. S.	-		80.55		32				60	
2 8,955 5530 Sook 8,595 8904 87799 1,402 5083 9,999 6631 13 57 4 8,597 1517 7968 8,597 4917 7979 1,403 5083 9,999 6631 13 57 5 8,597 446 7957 8,599 8817 7979 1,402 9099 6595 13 55 8 8,602 3317 7938 8,602 6767 7941 1,399 3333 9,999 6550 13 9 8,601 1231 7899 8626 7955 1,402 1749 9,999 6550 13 10 8,601 9130 7889 8626 7957 7941 1,399 3333 9,999 6551 13 11 8,602 7015 7881 8,603 3502 7884 1,396 7949 9,999 6551 13 12 8,603 4887 7852 8,603 3886 7861 1,395 7395 9,999 6553 13 13 8,660 5841 7858 8,660 3,866 7856 1,395 3745 9,999 6545 13 13 8,660 5841 7858 8,660 1950 7860 1,393 8505 9,999 6545 13 15 8,660 5841 7858 8,660 1950 7860 1,393 8505 9,999 6411 14 15 8,660 5841 7858 8,660 1950 7860 1,393 8505 9,999 6411 14 16 8,666 266 7778 8,785 8,669 3173 7785 1,393 2821 9,999 6411 14 17 8,660 7402 7860 8,660 7778 8,12 1,393 2821 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,393 6241 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,394 8,969 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,394 8,969 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,394 8,969 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,394 8,969 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,394 8,969 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,394 8,969 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,394 8,969 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,394 8,969 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,384 5,960 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,384 5,960 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,385 369 9,999 6411 14 18 8,660 7541 7858 8,660 3173 7785 1,385 361 9,999 641 13 18 8,660 7541 7858 8,660 3173 7785 1,385 361 9,999 641 13 18 8,660 7541 7858 8,660 7541 8,7858 8,785	1	•			0043		-	000	_	
3 3,99 353 379 385 396 3,99 399 399 399 315 379 388 386 397 398 399 399 399 388 386 397 398 398 399 399 399 388 386 397 398	и 1	8.595 5530		8.595 89	04 8014	1.404 1096	9.999 6626	100	58	
5 8,597 9489 7978 8,598 2901 7974 1407 7909 9,999 6,588 13 55 7 8,599 5389 7948 8,599 8846 7953 1400 1174 9,999 6,526 13 5,53 8,600 3317 7948 8,600 6,607 7946 1,398 3333 9,999 6,526 13 5,53 10 8,601 9130 7889 8,603 8,603 7952 7844 1,399 3333 9,999 6,526 13 5,53 12 8,603 4866 8,603 8,604 4,603 7954 1,396 4,604 9,999 6,528 13 5,54 13 8,604 7918 8,603 8,604 6,525 7855 1,395 3,945 9,999 6,528 13 5,54 14 8,605 9,844 8,605 8,606 1,395 7857 1,395 9,999 6,528 13 4,54 13 4,64 4,78 15 8,605 8,616 8,616 8,606 1,395 7857 1,395 9,999 6,436 13 4,44 6,54 1,395 8,505 1,395 3,745 1,395 1,	K 1				7999					
6 8,598 7446 797 8,599 087 799 099 087 199 199 087 199 199 109 109 109 109 109 109 109 109					01 /904					
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10 8.602 9130 7885 7	и I			8 601 46	U/ mage					
11 16.002 7015 76.003 8.603 2965 7884 1.396 1614 9.999 65.00 13 48 2 2*4 48 1.396 1614 9.999 65.00 13 48 2 2*4 48 1.396 1614 9.999 65.00 13 48 2 2*4 14 15 16 16 16 16 16 16 16	-				17012			13		10
12 8.603 4886 75 75 8.603 8386 75 75 1.396 1614 9.999 6500 13 48 13 47 48 15 8.605 8412 7858 1.395 3745 9.999 6474 12 46 48 48 15 8.605 8412 7858 8.605 7828 8.606 6757 7847 1.393 8050 9.999 6474 12 44 67 72 17 8.607 626 6226 7800 8.606 7775 8.606 9777 785 8.606 9777 785 8.606 9777 785 8.606 9777 785 8.606 9777 77 8.606 3717 77 8.606 3717 77 8.606 3717 77 8.610 6043 7757 8.610 6043 7757 8.610 6043 7757 8.610 6043 7757 8.611 6443 7757 1.386 3857 9.999 6385 3857					7897	60		12	-	
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ı	8,640 40		7216	8.640	5173	7229	1.359	1827		5851	14	59		
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3	8.642 56		7192	8.642		7206	1.357		9.999		14	56		
5	8.643 28		7180	8.643		7194	1.356		9.999		14	55		
6	8.643 99		7168	8.644	4200	7181	1.355	5800	9.999	0	14	54		
7	8.644 7		7156	8.645	1370	7170	1.354	01	9.999		14	53		
8	8.645 42		7144		8528	7158	1.354		9.999	200	14	52		
9	8.646 14		7132	8.646		7147	1.353	The technique was	9.999	V	14	51		
0	8.646 8		7121	8.647	_	7135	1.352		9.999	5725	14	50		14
1	8.647 56	_	7109	8.647		7123	1.352		-	_	14	-	1	1'4
2	8,648 27	742	7098	8.648	9933	7111			9.999	-	14	49 48	2	2.8
3	8.648 98		7085	8.649	4144	7100	1.351		9.999		14	47	3	4'2
4	8.649 60		7075	8.650	1222	7089	1.349	8767	9.999		14	46	4	5.6
5	8.650 30		7062	8.650	8300	7076		1691		5655	14	45		7.0
6	8.651 10		7052	8.651	5375	7066	1.348	4625	9.999	200	14	44	5	8.4
7	8.651 80		7040	8.652	2420	7054	1.347	A 100	9.999		14	43		9.8
8	8.652 50	084	7028	8.652	9471	7042	1.347	7.5	9.999		14	42	8	11'2
9	8 653 21		7017	8.653	6503	7032	1.346	V	9.999		15	41	9	12.6
0	8.653 91		7006	8.654		7019	1.345		9.999	5584	14	40		
1	8.654 61		6994	8.655	0521	7009	1.344		9.999		14	39		
2	8.655 30		6983	8.655	7528	6997	1.344	2000	9.999		14	38		
3	8.656 00		6972	8.656	4515	6987	1.343	0	9.999		15	37		
	8,656 70		6961	8.657	1400	6975	1.342		9.999		14	36		
5		966	6949	8.657	8453	6963	1.342	1547	9.999		14	35		
Ś	8.658 00		6938	8.658	5406	6953	1.341		9.999	5498	15	34		
7	8.658 78	832	6928	8.659	2348	6942		7652	9.999	5484	14	33		
S	8.659 47	748	6905	8.659		6931		0721	9.999		15	32		
9	8,660 16	653		8.660		6919	1.339		9.999		14	31		
5	8,660 85	547	6894	8.661	3107	6909	1.338		9.999	5440	15	30		
	8.661 54		6884	8.662	0005	6898	7 6 7 7	9995	9.999		14	29		
2	8.662 23	303	6872	8,662	6801	6886	1.337	3109	9.999		15	28		
3	8,662 91		6861	8.663		6877	1.336		9.999	The state of	14	27		
í	8.663 60		6851	8.664	0633	6865	1.335		9.999		15	26		
5	8.664 28	0	6840	8.664	7487	6854	1.335	2513	9.999		14	25		
	8.664 96		6829 6818	8.665	4331	6844	1.334	5669	9.999	15.000	15	24		
7	8,665 65		6808	8,666	1164	6833 6822	1.333	00 0	9.999		14	23		
3	8,666 33		6797	8.666	7986	6811	1.333	2014	9.999		15	22		
•	8,667 01	107	6786	8,667	4797		1.332	5203	9.999	5309	155	21		
5	8.667 68	893		8.668	1598	6801	1.331	8402	9.999	5295	14	20		15
ī	8.668 36	_	6776	8,668	8380	6791	1.331		9.999	5280	15	19	1	1.2
ı	8.669 04		6765	8.669	5160	6780	1.330	4831	9.999		15	18	2	3.0
3	8,669 71	199	6754	8.670	1938	6769	1.329		9.999		15	17	3	4'5
	8.670 39		6744	8.670	8697	6759		1303	9.999		14	16	4	6.0
ı	8.671 06	666	6734	8.671	5445	6748	1.328	4555	9.999	5221	15	15	5	7'5
5	8.671 73 8.672 41	389	6723	8.672	2183	6738	1.327	7817	9.999	5206	15			0.0
1	8.672 41	102	6713	8.672	8911	6728	1.327	1089	9.999	5191	15	13	7	10.2
8	8.673 08	804	6702 6692	8.673	5628	6717	1.326	4372	9.999	5176	15	12	8	12'0
9	8.673 74	496	6681	8.674	2335	6606	1.325		9.999			11	9	13.2
	8.674 41		1000	8.674	9031	6696	1.325	0969	9.999	5146	15	10		
	8.675 08		6672	8.675	5717	6686			9.999		15	9		
2	8.675 75	510	6661	8.675 8.676	2307	6676	1.322	7607	9.999	5116	15	8		
3	8.676 41	161	6651	8.676	-393	6666			9.999		15	7		
	8.677 08		6640	8.677	5715	6656	1.322	4285	9.999	5086	15	6		
:	8.677 74	432	6631	8.678	2361	6646			9.999		15 15	5		
3	8.678 40	052	6620	8.678	8996	6635	1.321	1004	9.999	5056	15	4		
	8.679 06		6600	8.679	5621	6625		4379	9.999		15	3		
1	8.679 72		6600 6590	8.680	2237	6616	1.319	7763	9.999		15	2		
į,	8,680 38	853	6580	8,680	8842	6605			9.999		15	1		
ō	8.681 04	433	0500	8.681	5437	6595			9.999		.2	0		
_	Cos.		d.	Cota		d. c.	Ta		Si		d.	S.		

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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.		
0	8,681 0433	6	8.681 5437	6-06	1.318 4563	9.999 4996	,	60	
I	8.681 7003	6570	8.682 2023	6586	1.317 7977	9.999 4981	15 16	59	
2	8.682 3563	6560	8.682 8598	6575 6566	1.317 1402	9.999 4965	15	58	
3	8.683 0114	6540	8.683 5164	6555	1.316 4836	9.999 4950	15	57	
5	8.683 6654 8.684 3185	6531	10.004 1710	6546	1.315 8281	9.999 4935 9.999 4920	15	56 55	
6	8.684 9706	6521	8.685 4801	6536		9.999 4920	16	54 54	
7	8.685 6216	6510	8.686 1327	6526	1.313 8673	9.999 4889	15	53	
8	8.686 2718	6502	8.686 7844	6507	1.313 2156	9.999 4874	15 16	52	
9	8,686 9209	6482	8.687 4351	6497	1.312 5649	9.999 4858	15	51	
10	8.687 5691	6472	8.688 0848	6487	1.311 9152	9.999 4843	16	50	15
11	8.688 2163	6462	8.688 7335	6478	1.311 2665	9.999 4827	15	49	1 1.2
12	8.688 8625	6453	8.689 3813	6468	1.310 6187		15	48	2 3.0
13 14	8.689 5078 8.690 1521	6443	8,690 0281 8,690 6740	6459		9.999 4797	16	47	3 4·5 4 6·0
15	8.690 7955	6434	8.601 3180	6449	1.309 3260	9.999 4781 9.999 4766	15	46 45	4 6.0 5 7.2
	8.691 4379	6424	8.691 9629	6440	1.308 0371	9.999 4750	16	44	6 9.0
17	8.692 0793	6414 6405	8.692 6059	6430 6420	1.307 3941	9.999 4735	15 16	43	7 10.2
18	8.692 7198	6396	8.693 2479	6412	1.306 7521	9.999 4719	16	42	8 12.0
19	8.693 3594	6386	8.693 8891	6401	1.306 1109	9.999 4703	15	41	9 13.5
20	8.693 9980	6377	8.094 5292	6393	1.305 4708	9.999 4688	16	40	
21	8.694 6357	6367	8.695 1685	6383	1.304 8315	9.999 4672	16	39	
22	8.695 2724 8.695 9082	6358		6374	1.304 1932		15	38	
24	8.696 5431	6349	8.607 0806	6364	1.303 5558	9.999 4041	16	37 36	
25	8.697 1771	6340	8.697 7161	6355	1.302 2839	9.999 4609	16	35	
26	8.697 8101	6330	8.698 3507	6346		9.999 4594	15	34	
27	8.698 4422	6312	8.698 9844	6328	1.301 0156		16	33	
28 29	8.699 0734 8.699 7036	6302	8.699 6172	6318		9.999 4562	16	32	
1		6294	8.700 2490	6309	1.299 7510	9.999 4546	16	31	
30	8.700 3330 8.700 9614	6284	0.700 0799	6300	1.299 1201	9.999 4530	16	30	İ
31 32	8.700 9014 8.701 5889	6275	8.701 5099 8.702 1390	6291	1.298 4901	9.999 4514 9.999 4498	16	29 28	
33	8.702 2155	6266	8.702 7673	6283	1.297 2327		15	27	
	8.702 8412	6257 6248	8.703 3946	6273	1.296 6054		16 16	26	
35	8.703 4660	6239	8.704 0209	6256	1.295 9791	9.999 4451	16	25	
	8.704 0899	6230	0.704 0405	6246	1.295 3535		16	24	
37 38	8.704 7129 8.705 3350	6221	8 705 2711	6237	1.294 7289 1.294 1052		16	23	
39	8.705 9563	6213	8 406 2146	6228	1.294 1052	9.999 4403	16	21	
40	8.706 5766	6203	8.707 1395	6219	1.292 8605	9.999 4370	17	20	16
41	8.707 1960	6194	8 707 7606	6211	1.292 2394		16	19	1 1.6
42	8.707 8146	6186	8.708 3808	6202	1.291 6192		16	18	2 3.2
43	8.708 4323	6177 6167	8.709 0000	6192 6185	1.291 0000	9.999 4322	16 16	17	3 4.8
44	8.709 0490	6160	8.709 6185	6175	1.290 3815		16	16	4 6·4 5 8·o
	8.709 6650 8.710 2800	6150	8.710 2300	6167	1.289 7640	9.999 4290	16	15 14	5 8·o
47	8.710 8942	6142	8.711 4685	6158	1.289 1473	9.999 4274 9.999 4257	17	13	7 11.5
48	8.711 5075	6133	8.712 0834	6149	1.287 9166	9.999 4241	16	12	8 12.8
49	8.712 1199	6116	0.712 0974	6140	1,287 3026	9.999 4225	16	11	9 14.4
50	8.712 7315	6107	8.713 3106	6132	1.286 6894	9.999 4208	17 16	10	
51	8.713 3422	6098	8.713 9230	6124	1.286 0770		16	9	
52	8.713 9520	6090	8.714 5345	6106	1.285 4655	9.999 4176	17		
	8.714 5610	6082	10.715 1451	6098		9.999 4159	16	7 6	
	8.715 1692 8.715 7765	6073	8 716 2628	6089	1.284 2451	9.999 4143	16	5	
56	8.716 3829	0004	8.716 9719	6081		9.999 4110	17	4	
57	8.716 9885	6056	8.717 5791	6072 6064		9.999 4094	16	3	
58	8.717 5932	6047 6039	8.718 1855	6055		9.999 4077	17	2	
	8.718 1971	6021	8.718 7910	6048	1.281 2090		17		
60	8.718 8002		8.719 3958			9.999 4044		_0	
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.	
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5.	Sin.	d.	Tang.	d. c.	Cotang.	Co	s.	d.		
0	8.718 8002	6022	8.719 3958	6038	1.280 6042	9.999	4044	0.5	60	
I	8.719 4024	6014	8.719 9996	6031	1.280 0004	9.999	4027	17	59	
2	8.720 0038	6005	8.720 6027	6022	1.279 3973	9.999		17	58	
3	8.720 6043	5997	8.721 2049	6014	1.278 7951	9.999		16	57	
4	8.721 2040 8.721 8029	5989	8.721 8063 8.722 4068	6005	1.278 1937		3978	17	56	
6	8.722 4010	5981	8.723 0065	5997	1.277 5932		3961	17	55	
7	8.722 9982	5972	8.723 6054	5989	1.276 9935 1.276 3946	9.999		16	54	
8	8.723 5946	5964	8.724 2035	5981	1.275 7965	9.999	-	17	53 52	
9	8.724 1902	5956	8.724 8008	5973	1.275 1992	9.999	3894	17	51	
10	8.724 7850	5948	8.725 3972	5964	1.274 6028	9.999	3877	17	50	17
11	8.725 3789	5939	8.725 9929	5957	1.274 0071		3861	16	49	1 1'7
12	8.725 9721	5932	8.726 5877	5948	1.273 4123		3844	17	48	2 3'4
13	8.726 5644	5923	8.727 1817	5940	1.272 8183		3827	17	47	3 5.1
14	8.727 1559	5915 5908	8.727 7749	5932	1.272 2251	9.999	3810	17	46	4 6.8
15	8.727 7467	5899	8.728 3673	5924 5916	1.271 6327		3793	17	45	5 8.5
16		5891	8.728 9589	5908	1.271 0411	9.999	3776	17	44	6 10.2
. 7 . 8	8.728 9257	5883	8.729 5497	5900	1.270 4503	9.999	3759	17	43	7 11.9
18 19	8.729 5140	5875	8.730 1397	5893	1.269 8603			17	42	8 13.6
-	8.730 1015	5867	8.730 7290	5884	1.269 2710	9.999	3725	17	41	9 15.3
20	8.730 6882	5859	8.731 3174	5876	1.268 6826	9.999	3708	17	40	
2 I	8.731 2741	5852	8.731 9050	5868	1.268 0950	9.999	3691	17	39	7
22	8.731 8593	5843	8.732 4918	5861	1.267 5082		3674	17	38	
23 24	8.732 4436	5836	8.733 0779	5852	1.266 9221	9.999	3657	17	37	
24 25	8.733 0272 8.733 6099	5827	8.733 6631	5845	1.266 3369	9.999		17	36	
26		5820	8.734 2476 8.734 8313	5837	1.265 7524			17	35	
27	8.734 7731	5812	8.735 4142	5829	1.264 5858	9.999		17	34	
28	8.735 3535	5804	8.735 9964	5822	1.264 0036	0.000	3572	17	33 32	1
29	8.735 9332	5797	8.736 5777	5813	1.263 4223	9.999		18	31	04
30	8.736 5120	5788	8.737 1583	5806	1.262 8417	9.999	3537	17	30	
31	8.737 0901	5781	8.737 7382	5799	1.262 2618			17	-	
32	8.737 6675	5774	8.738 3172	5790	1.261 6828	9.999		17	29 28	
33	8.738 2440	5765	8.738 8955	5783	1.261 1045	9.999		18	27	
34	8.738 8198	5758	8.739 4730	5775	1.260 5270	9.999		17	26	
35	8.739 3949	5751 5742	8.740 0498	5768 5760	1.259 9502		3451	17	25	
	8.739 9691	5735	8.740 6258	5752	1.259 3742	9.999			24	
37	8.740 5426	5728	8.741 2010	5745	1.258 7990	9.999		17	23	
38	8.741 1154 8.741 6874	5720	8.741 7755	5738	1.258 2245	9.999		17	22	
39		5712	8.742 3493	5729	1.257 6507	9.999		17	21	12
40	8.742 2586	5705	8.742 9222	5723	1.257 0778	9.999	3364	18	20	18
4 I	8.742 8291	5697	8.743 4945	5715	1.256 5055	9.999		17	19	1 1.8
42 43	8.743 3988 8.743 9678	5690	8.744 0660	5707	1.255 9340	9.999		18	18	2 3.6
43 44	8.744 5360	5682	8.744 6367 8.745 20 67	5700	1.255 3633		3311	18	17	3 5.4
45	8.745 1035	5675	Q - 4	5692	1.254 7933	9.999		17	16	4 7 ² 5 9 ⁰
46	8.745 6703	5668 5660	8.746 3444	5685		9.999	3258	18	14	6 10.8
47	8.745 6703 8.746 2363	5652	0.740 9122	5678 5670	1.253 0878	9.999	3241	17	13	
48	8.746 8015	5646	8.747 4792	5663	1.252 5208	9.999	3223	18	12	8 14.4
49	8.747 3661	5638	8.748 0455	5656	1.251 9545	9.999	3205		11	9 16'2
50	8.747 9299	5630	8.748 6111	5648	1.251 3889	9.999	3188	17	10	
51	8.748 4929	5624	8.749 1759	5641	1.250 8241	9.999	3170	18	9	
52	8.749 0553	5616	8.749 7400	5634	1,250 2600	9.999	3152	18	8	
53	8.749 6169	5608	10.750 3034	5627	1.249 6966	9.999	3134	17	7	
54		5602	0.750 0001	5619	1.249 1339	9.999	3117	18	6	
55	8.750 7379	5594	0.751 4200	5612	1.248 5720	9.999	3099	18	5	
,0 ;7	8.751 2973 8.751 8560	5587	8.751 9892	5605	1.240 0100	9.999	3081	18	4	
;8	8.752 4140	5580	8.752 5497 8.753 1095	5598	1.247 4503	9.999	3003	18	3	
	8.752 9713	5573	8752 6685	5590	1.246 8905 1.246 3315	9.999		18	1	
	8.753 5278	5565	8.754 2269	5584				18	-	
_	Cos.	d.	THE REAL PROPERTY AND ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS O		1.245 7731				0	
_	C.U.S.	u.	Cotang.	d. c.	Tang.	Sir	1.	d.	5.	
			νλ	47"	,				- 11	

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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.		
0	8.753 5278	5558	8.754 2269	5576	1.245 7731	9.999 3009	17	60	17
1	8.754 0836	5552	8.754 7845	5569	1.245 2155	9.999 2992	18	59	1 1.7
3	8.754 6388 8.755 1932	5544	8.755 3414 8.755 8976	5562	1.244 6586	9.999 2974	18	58 57	2 3'4 3 5'I
4	8.755 7469	5537	8.756 4531	5555	1.243 5469	9.999 2938	18	56	4 6.8
5	8.756 2999	5530 5523	8.757 0079	5548 5541		9.999 2920	19	55	5 8.2
6	8.756 8522	5515	8.757 5620 8.758 1154	5534	1.242 4380	9.999 29 01 9.99 9 288 3	18	54 53	6 10.5 7 11.6
8	8.757 4037 8.757 9546	5509	8.758 6681	5527	1.241 3319	9.999 2883	18	52	8 13.6
9	8.758 5048	5502	8.759 2201	5520	1.240 7799	9.999 2847	18	51	9 12.3
10	8.759 0543	5495 5488	8.759 7714	5513 5506	1.240 2286	9.999 2829	18	50	
11	8.759 6031	5481	8.760 3220	5499	1.239 6780	9.999 2811	18	49	
	8.760 1512	5474	8.760 8719	5492	1.239 1281	9.999 2793	19	48	
	8.760 6986 8.761 2453	5467	8.761 4211 8.761 9697	5486	1.238 5789 1.238 0303	9.999 2774	18	47 46	
15	8.761 7913	5460	8.762 5175	5478	1.237 4825	9.999 2738	81 81	45	
16	8.762 3366	5453 5447	8.763 0647	5472 5464	1.236 9353	9.999 2720	19	44	
	8.762 8813 8.763 4252	5439	8.763 6111 8.764 1569	5458	1.236 3889 1.235 8431	9.999 2701	18	43 42	
19	8.763 9685	5433	8.764 7020	545 I	1.235 2980	9.999 2665	18	4 I	
20	8.764 5111	5426	8.765 2465	5445	1.234 7535	9.999 2646	19	40	
2 I	8.765 0530	5419	8.765 7902	5437	1.234 2098	9.999 2628	18 19	39	
22	8.765 5943	5413 5405	8.766 3333	5431 5424	1.233 6667	9.999 2609	18	38	
23 24	8.766 1348 8.766 6747	5399	8.766 8757 8.767 4175	5418	1.233 1243	9.999 2591 9.999 2572	19	37 36	
25	8.767 2139	5392	8.767 9585	5410		9.999 2554	18	35	18
26	8.767 7525	5386 5378	8.768 4989	5404 5398	1.231 5011	9.999 2535	19 18	34	1 1.8
27	8.768 2903	5372	8.769 0387	5390	1.230 9613		19	33	2 3.6
28 29	8.768 8275 8.769 3641	5366	8.769 5777 8.770 1161	5384	1.230 4223	9.999 24 98 9.999 24 80	18	32 31	3 5'4 4 7'2
30	8.769 9000	5359	8.770 6539	5378	1.229 3461	9.999 2461	19	30	
31	8.770 4352	5352	8.771 1909	5370	1.228 8091	9.999 2442	19 18	29	6 10.8
32	8.770 9697	5345	8.771 7274	5365	1.228 2726	9.999 2424	19	28	7 12.6 8 14.4
33	8.771 5036	5339 5333	8.772 2631	5357 5351	1.227 7369	9.999 2405	19	27 26	9 16.3
34 35	8.772 0369 8.772 5694	5325	8.772 7982 8.773 3327	5345	1.227 2018 1.226 6673	9.999 2386 9.999 2368	18	25 25	,
36	8.773 1014	5320	8.773 8665	5338	1.226 1335	9.999 2349	19 19	24	
37	8.773 6326	5312 5307	8.774 3996	5331 5 32 5		9.999 2330	19	23	
38	8.774 1633 8.774 6932	5299	8.774 9321 8.775 4640	5319	1.225 0679 1.224 5360	9.999 2 311 9.999 22 93	18	22 21	
<u>39</u> 40	8.775 2226	5294		5312	1.224 9300	9.999 2274	19	20	
41	8.775 7512	5286	$\frac{8.775 9952}{8.776 5258}$	5306	1.223 4742	9.999 2255	19	19	
42	8.776 2793	5281	8.777 0557	5299	1.222 9443	9.999 2236	19	18	
43	8.776 8067	5274 5267	8.777 5850	5293 5286	1.222 4150	9.999 2217	19	17	
44	8.777 3334	5261	8.778 1136 8.778 6416	5280	1.221 8864	9.999 2198 9.999 2179	19	16 15	
45 46	8.777 8595 8.778 3850	5255	8.770 1600	5274	1 220 8210	9.999 2179	19	14	
47	8.778 9098	5248 5242		5267 5261	1.220 3043	9.999 2141	19 19	13	
48	8.779 4340	5236	8.780 2218	5254	1.219 7782	9.999 2122	19	12 11	
49	8.779 9576	5229		5249	1.219 2528	9.999 2103	19	10	19
50	8.780 4805 8.781 0028	5223	8.781 2721	5242		9.999 2084	19		1 1.9
	8.781 0028 8.781 5244	5216	8.781 7963 8.782 3199	5236	1.218 2037	9.999 2046	19	9 8	2 3.8
53	8.782 0455	5211	8.782 8428	5229	1.217 1572	9.999 2027	19	7	3 5.7
54	8.782 5659	5204 5198	8.783 3651	5223 5217	1.216 6349	9.999 2007	19	6	4 7.6 5 9.5
55	8.783 0857 8.783 6048	5191	8 784 4070	5211	1.215 1132	9.999 1988 9.999 1969	19	5 4	5 9'5 6 11'4
57	8.784 1234	5186	8.784 4079 8.784 9284	5205	1.215 0716	9.999 1950	19	3	7 13.3
58	8.784 6413	5179	8.785 4482	5198 5193	1.214 5518	9.999 1931	19 20	2	
59	8.785 1586	5173	8.785 9675	5186	1.214 0325	9.999 1911	19		9 17.1
60	8.785 6753	1	10.700 4001		11.213 5139		1	0	
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.	
			5 ^h	46"	ı				

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s.	Sin	n.	d.	Tar	ig.	d. c.	Cota	ing.	Co	s.	d.			
0	8.785	6753		8.786		-180	1,213	5139	9.999	1892	19	60		
<u></u>	8.786		5160	8.787	0041	5180		9959	9.999		20	59		
2	8.786	7068	5155 5148	8.787	5215	5174			9.999		19	58		
3	8.787	2 - 2 - 2 - 1	5143	8.788		5162	1.211	9018	9.999 9.999		19	57 56		
4	8.787		5136	8.788		5156			9.999		20	55		
5	8.788 8.788		5130	8.789		5149			9.999		19	54		
7	8.789		5124	8.790		5144			9.999		19	53		
8	8.789		5118	8.790		5137			9.999		20	52		
9	8.790	2979	5105	8.791		5131	1.208	8739	9.999	1717	19	51		44
10	8.790	8084	5100	8.791		5119		3613	9.999	1698	20	50	-	20
11	8.791	3184	5094	8.792	1506	5114	1.207			1678	19	49	1	2'0
	8.791		5088	8.792		5107			9.999		20	48	3	6.0
13	8.792	3366	5082	8.793		5102			9.999		20	47 46	4	8.0
	8.792		5076	8.793 8.794		5095	1.205	8076	9.999	1600	19	45		10.0
15 16	8.793 8.793	8504	5070	8.794		5090	1,205	2986	9.999	1580	20	44	5	12'0
17	8.794		5064	8.795	2097	5083	1.204	7903	9.999	1560	19	43	7	14'0
	8.794	8716	5058	8.795	7175	5078	1.204		The second second		20	42	8	16.0
19	8.795		5052	8.796	2247	5066	1.203			1521	20	41	9	18.0
20	8.795	8814	5046	8.796		5060	1.203	2687	9.999	1501	20	40		
2 I		3855	5041	8.797	2373	5055	1,202	0 / - 0	9.999	1481	20	39		
	8.796		5034 5029	8 797	7428	5048	1.202			1461	19	38		
1	8.797	3918	5023	8.798	2476	5043	1.201		9.999		20	37 36		
24	8.797	8941	5017	8.798 8.799		5037	1,200	100 P. T. T. T. T.	9.999		20	35		
	8.798 8.798	3958	5011	8.799		5031	1.200				20	34		
27	8.799		5005	8.800		5025	1.199	7388	9.999	1362	20	33		
	8.799		5000	8,800		5020	1.199		9.999	1342	20	32		
29	8.800		4994 4988	8.801		5008		7354	9.999		20	31	J.	
30	8,800	8956		8.801		5002	1.198	2346	9.999		20	30	100	
31	8,801	3938	4982	8,802	2656	4997		7344		1282	20	29		
32	8.801	8915	4977	8,802		4991		2347	9.999		20	28		
33	8.802	3886	4965	8.803		4985	1.196				20	27 26		
	8.802		4960	8.803		4980	1.196	2000	9.999		20	25		
35	8.803		4953	8.804		4974	1.195		2000		20	24		
36 37	8.804	1 3 10 00	4949	8.805	2551	4968	1.194		9.999	1161	20	23		
38	8.804	8655	4942	8,805	7514	4963	1.194	1. 5. 17.1	P. 10. F. F. F.		20	2,2		
39	8,805		4937	8.806		4951	1.193		-	1121	20	21	N	21
40	8,805		4931	8,806		4946	1.193		9.999	1101	20	20	1 000	
41	8,806	3449	4920	8.807	2368	4941	1.192	7632	9.999	1081	21	18	1 2	2'1 4'2
42	8,806	8369	4914	8.807	7309	4934			9.999	1000	20	17	3	6.3
43	8.807	-	4909	8,8o8 8,8o8		4929	1,191	2828	9.999 9.999	1020	20	16	4	8.4
44 45	8.807 8.808	3005	4903	8.809	2006	4924			9.999		21	15	5	10.2
46	8.808	7993	4898	8.809	7014	4918	1.190	2986	9.999	0979	20	14	6	12'6
47	8.809	2885	4892	8.810	1927	4913	1.189	8073	9.999	0959	21	13	7	14.7
48	8.809	7772	4881	8.810	6834	4901	1.189	3106	9.999	0938	20	11		18.9
	8.810		4876	8.811	1735	4896			9.999		21	-	9	
	8.810		4870	8.811		4891	1.188		9.999	0897	20	10		
	8.811		000-	8.812	1522	4885	1.187	0478	9.999	0816	21	9		
F 2	8.811	7264	4859	8.812	1287	4880	1.186	8712	9.999 9.999	0836	20	7		
	8.812 8.812			8.813	6161	4874	1.186	3830	9.999	0815	21	6		
;	8.813	1825	40.4	8.814	1030	4869	1.185	8970	9.999	0795	20	5		
3	8.813	6668	4043	8.814	5894	4864	1.185	4106	9.999	0774	21	4		
,	8.814		4037	0 0	OFFO	4858 4853	1.184	9248	9.999	0753	20	3		
3	8,814	6337	4827	8.815	5605	4847	1.184	4395	9.999	0733	21	1		
-	8.815		4821	8.816	0452	4842			9.999		21	-		
2	8,815	-		8.816	-	2-0		ALC: UNKNOWN	9.999		d	s.		
1	Co)5.	d.	Cot	_	d. c.	Tan	ıg.	Si		d.	.51		
					5"	45"								

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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.			
0	8.815 5985	4816	8.816 5294	4836	1.183 4706	9.999 0691	100	60		20
I	8.816 0801	4811	8.817 0130	4832	1.182 9870	9.999 0671	20	59	1	2.0
2	8.816 5612	4805	8.817 4962	4826	1.182 5038	9.999 0650	21	58	2	4'0
3	8.817 0417	4800	8.817 9788	4820	1,182 0212	9.999 0629	21	57	3	6.0
4	8.817 5217	4794	8.818 4608	4816	1.181 5392	9.999 0608	21	56	4	8.0
5	8,818 0011	4790	8.818 9424	4810	1.181 0576	9.999 0588	20	55	5	10.0
1	8.818 4801	4784	8.819 4234	4805	1.180 5766	9.999 0567	21	54	6	12'0
7	8.818 9585 8.819 4363	4778	8.819 9039	4799	1.180 0961	9.999 0546	21	53	7 8	14'0
9	8.819 9137	4774	8.820 3838	4794	1.179 6162	9.999 0525	21	52		160
_		4768	8.820 8632	4790	1.179 1368	9.999 0504	21	<u>5 r</u>	9	18.0
0	8.820 3905	4763	8.821 3422	4783	1.178 6578	9.999 0483	21	50		
I	8.820 8668	4757	8.821 8205	4779	1.178 1795	9.999 0462		49		
2	8.821 3425	4753	8.822 2984	4773	1.177 7016	9.999 0441	2 I 2 I	4 8		
3	8.821 8178	4747	8.822 7757	4769	1.177 2243	9.999 0420	21 21	47		
4	8.822 2925	4742	8.823 2526	4763	1.176 7474	9.999 0399	21	46		
6	8.822 7667 8.823 2404	4737	8.823 7289	4757	1.176 2711	9.999 0378	21	45		
7	8.823 7135	4731	8.824 2046 8.824 6799	4753	1.175 7954	9.999 0357	21	44		
8	8.824 1862	4727	8.825 1547	4748	1.175 3201	9.999 0336	21	43		
9	8.824 6583	4721	8.825 6289	4742	1.174 8453	9.999 0315	21	42		
20	8.825 1299	4716	8.826 1026	4737	1.174 3711	9.999 0294	21	41		
-		4711		4732	1.173 8974	9.999 0273	2 I	40		
15	8.825 6010	4706	8.826 5758	4727	1.173 4242	9.999 0252	22	39		
22	8.826 0716	4701	8.827 0485	4722	1.172 9515	9.999 0230	21	38		
3	8.826 5417 8.827 0112	4695	8.827 5207	4717	1.172 4793	9.999 0209	2 I	37		
5	8.827 4803	4691	8.827 9924 8.828 4636	4712	1.172 0076	9.999 0188	21	36		
6	8.827 9488	4685	8.828 9343	4707	1.171 5364	9.999 0167	22	35		2 1
:7	8.828 4169	4681	8.829 4045	4702	1.171 0657	9.999 0145	21	34	1	2. I
8	8.828 8844	4675	8.829 8741	4696	1.170 5955	9.999 0124	21	33	2	4.2
29	8.829 3514	4670	8.830 3433	4692	1.170 1259	9.999 0103	22	32	3	6.3
<u>,</u>	8.829 8179	4665	8.830 8119	4686		9.999 0081	21	31	4	8.4
		4661		4682	1.169 1881	9.999 0060	21	30	5	10.2
31	8.830 2840	4655	8.831 2801	4677	1.168 7199	9.999 0039	22	29	6	12.6
32	8.830 7495 8.831 2145	4650	8.831 7478	4671	1.168 2522	9.999 0017	21	28	7	14'7
34	8.831 6790	4645	8.832 2149 8.832 6816	4667	1.167 7851	9.998 9996	22	27	8	18.0
35	8.832 1430	4640	8.833 1478	4662	1.167 3184	9.998 9974	21	26	91	18.9
36	8.832 6066	4636	8.833 6134	4656	1.166 8522 1.166 3866	9.998 9953	22	25		
37	8.833 0696	4630	8.834 0786	4652	1.165 9214		21	24		
8	8.833 5321	4625	8.834 5433	4647	1.165 4567	9.998 9910 9.998 9888	22	23		
39	8.833 9941	4620	8.835 0075	4642	1.164 9925	9.998 9867	21	22 21		
ļο	8.834 4557	4616	8.835 4712	4637	1.164 5288		22	I — I		
μ	8.834 9167	4610	8 825 0244	4632		9.998 9845	22	20		
2	8.835 3773	4606	8.835 9344 8.836 3971	4627	1.164 0656	9.998 9823	21	19		
13	8.835 8374	4601	8.836 8594	4623	1.163 6029	9.998 9802	22	18		
4	8.836 2969	4595	8.837 3211	4617	1.163 1406	9.998 9780	22	17		
	0.00	4591		4613	1.162 6789 1.162 2176	9.998 9758	21	16		
6		4586	8.838 2432	4608	1.161 7568	0.008 0717	22	15		
17	8.837 6728	4502	8.838 7035	4603	1.161 2065	9.998 9693	22	14		
ļ8		4570	27 33	4598	1.160 8367	9.998 9671	22	13		
19	8.838 5875	TJ1-	8.839 6226	4593	1.160 3774	9.998 9649	22	11		
;0	8.839 0442	4567	8.840 0814	4588	1.159 9186	9.998 9628	2 I			
; 1	8.839 5004	4562	8.840 5398	4584			22	10		22
52		4557	8.840 9977	4579	1.159 4602	9.998 9606	22	9 8	1	2.5
33	00.0	4552	00	4574	1.159 0023	9.998 9584	22		2	4.4
54	8.840 8661	4548	8.841 9121	4570	1.150 5449	9.998 9562	22	7	3	6.6
5	8.841 3203		8.842 3685	4564	1117 63-	9.998 9540	22	6	4	8.8
6	8.841 7741	4334	000	4560	1.157 0315	9.998 9518	22	5	5	11.0
	8.842 2274	4533	8.843 2800	4555	1 156 200	9.998 9496	22	4		13.5
	8.842 6803		8.843 7351	4551	1.150 7200	9.998 9474	22	3	7	15.4
ía	8.843 1326	4523	8.844 1896	4545	1.150 2049	9.998 9452	22	2		17.6
50	8.843 5845	4519		4541		9.998 9430	22	I	9	19.8
,,,			0.044 0437		1.155 3563	9.998 9408		0		
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.		
			5	441	N.		_			

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	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.		
9	8.843 5845	4514	8.844 6437	4525	1.155 3563	9.998 9408		60	
I	8.844 0359	4514 4510	8.845 0974	4537	1.154 9026	9.998 9386	22	59	
2	8.844 4869	4505	8.845 5505	4531	1.154 4495	9.998 9364	22	58	
3	8.844 9374	4500	10,040 0032	4527 4522	1.153 9968	9.998 9342	22	57	
5	8.845 3874 8.845 8369	4495	10.04U 455A	4518	1.153 5446	9.998 9319	22	56	
6	8.846 2860	4491	1000-	4513	1.153 0928	9.998 9297	22	55	1
7	8.846 7346	4486	IO 0 O	4508	1.152 6415	9.998 9275 9.998 9253	22	54	
8	8.847 1827	4481	8.848 2507	4504	1.151 7403	9.998 9230	23	53 52	
9	8.847 6304	4477	8.848 7096	4499	1.151 2904	9.998 9208	22	51	
0	8.848 0776	4472	8.849 1590	4494	1.150 8410	9.998 9186	22	50	23
1	8.848 5244	4468	8 840 6080	4490	1.150 3920	9.998 9164	22	49	1 2.3
2	8.848 9707	4463	8.850 0566	4486	1 140 0424		23	48	2 4.6
3	8.849 4165	4458	8.850 5046	4480	1.149 4954		22	47	3 6.9
	8.849 8619	4454 4449	10.050 9522	4476	1.149 0478	9.998 9096	23	46	4 9'2
5	8.850 3068	4444	10.051 3994	4467		9.998 9074	22	45	5 11.2
7	8.850 7512 8.851 1952	4440	10.051 0401	4462	1.148 1539	9.998 9052	23	44	6 13.8
8	8.851 6388	4436		4458	.14/ /0//		22	43	7 16.1
9	8.852 0819	4431	8.853 1835	4454	1.146 8165	9.998 9007	23	42	8 18.4
20	8.852 5245	4426	8.853 6283	4448		9.998 8984	22	41	9 20.7
1:	8.852 9667	4422	8.854 0728	4445	1.146 3717	9.998 8962	23	40	
2	8.853 4084	4417	8.854 5168	4440	1.145 9272	9.998 8939	23	39	
23	8.853 8497	4413	8884 0602	4435	1.145 4832	9.998 8916 9.998 8894	22	38	
	8.854 2905	4408	8855 1021	4431	1.145 0397	9.998 8871	23	37 36	
25	8.854 7309	4404	8.855 8460	4426		9.998 8849	22	35	
	8.855 1708	4399	8,856 2882	4422	0	9.998 8826	23	34	V .
7	8.855 6103	4395 4390	10.030 /300	4418	1.143 2700	9.998 8803	23	33	
8	8.856 0493	4386	8 85 6100	4409	1,142 8287	9.998 8780	23	32	
	8.856 4879	4382	0.03/ 0122	4404	1,142 3878	9.998 8758	23	31	
0	8.856 9261	4377	0.050 0520	4400	1.141 9474	9.998 8735	100	30	h a
31	8.857 3638	4372	8.858 4926	4395	1,141 5074	9.998 8712	23	29	
	8.857 8010 8.858 2379	4369	8.858 9321	4391	1.141 0679	9.998 8689	23	28	
33	8.858 6742	4363	8 8 FO 8000	4387	1.140 0200	9.998 8667	23	27	
35	8.859 1102	4360	8 860 2481	4382		9.998 8644 9.998 8621	23	26	
	8.859 5457	4355	8 860 68 ro	4378	1,139 3141	9.998 8598	23	25 24	
37	8.859 9807	4350	8.861 1232	4373	1,138 8768		23	23	
38	8.860 4153	4346	8.861 5601	4309		9.998 8552	23	22	
39	8.860 8495	4342 4338	8.8 61 9966	4365	1,138 0034	9.998 8529	23	21	
ю	8.861 2833		10.002 432/	4361	1.137 5673	9.998 8506	23	20	24
Į I	8.861 7166	4333	8.862 8683	4356	1,137 1317	9.998 8483	23	19	1 2'4
12		4329 4324	8.863 3035	4352	1,136 6965	9.998 8460	23	18	2 4.8
3	8.862 5819	4320	0.003 /302	4347	1.130 2010	9.998 8437	23	17	3 7'2
	8.863 0139 8.863 4455	4316	0.004 1725	4339	and the second second second	9.998 8414	23	16	4 9.6
6	8.863 8766	4311	8 865 0200	4335	1.135 3936	9.998 8391 9.998 8368	23	15	5 12.0
٠/ ا	0.004 3074			1700-	1,134 9601 1,134 5271		24	1.4	
18	8.864 7376	4302	8.865 9055	4320	1,134 0945	9.998 8321	23	12	8 19'2
19	8.865 1675	4299	8.866 3377	4322	1 122 6622	9.998 8298	23	11	9 21.6
0	8.865 5969	4294	8.866 7695	4318	1,133 2305	9.998 8275	23	10	
	8.866 0259	4290 428 6	0.06	4313		9.998 8252	23	9	
;2	8.866 4545	4282	8.867 6317	4309		9.998 8228	24	8	
	8.866 8827	4277	8,868 0622	4305	1.131 9378	9.998 8205	23	7	
	8.867 3104	4273	0.000 49≥3	4296	11.131 50//	9.998 8182	23 24	6	
	8.867 7377 8.868 1646	4269	10.000 9219	4292		9.998 8158	23	5	
	8.868 5911	4265	8 860 7700	4288		9.998 8135	23	4	
	8.869 0171	4260	8.870 2082	4284	1.130 2201	9.998 8112 9.998 8088	24	3	
	8.869 4428	4257	8.870 6363	4280	1.129 7917	9.998 8065	23	2 I	
6	8.869 8680	4252	8.871 0638	4275		9.998 8041	24	 —	
	Cos.	d.	Cotang.	d. c.	Tang.	9.998 8041 Sin.	1	۳	
_	503,	u.	Cotang.			Sin.	d.	s.	
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	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.	-		
0	8,869 8680	4248	8.871 0638	4272	1,128 9362	9.998 8041	23	60	2	_
1	8.870 2928	4243	8.871 4910	4267	1.128 5090	9,998 8018	24	59	1	2'3
2	8.870 7171 8.871 1411	4240	8.871 9177 8.872 3440	4263		9.998 7994	23	58	2	4.6
3	8.871 5646	4235	8.872 7699	4259	1.127 0500	9.998 7971	24	57 56	3 4	6.9
5	8.871 9877	4231	8.873 1954	4255	1.126 8046	F. C.	23	55		1.2
6	8.872 4105	4228	8.873 6205	4251	1.126 3795	9.998 7900	24	54		3.8
7	8.872 8328	4223	8.874 0451	4240	1,125 9549	9.998 7876	24	53		6.1
8	8.873 2546	4218	8.874 4694	4243	1.125 5306	9.998 7853	23	52		8.4
9	8.873 6761	4215	8.874 8932	4238	1.125 1068	9.998 7829	24	51	9 2	20'7
0	8.874 0972	4211	8.875 3166	4234	1.124 6834	9.998 7805	24	50		
I	8.874 5178	4206	8.875 7397	4231	1.124 2603	9.998 7782	23	49		
2	8.874 9381	4203	8.876 1623	4226	1.123 8377	9.998 7758	24	48		
3	8.875 3579	4198	8.876 5845	4222		9.998 7734	24	47		
4	8.875 7773	4194	8.877 0063	4218	1.122 9937	9.998 7710	24	46		
5	8.876 1963	4190	8.877 4277	4214		9.998 7687	23	45		
6	8.876 6150	4182	8.877 8487	4210	1.122 1513	9.998 7663	24	44		
7	8.877 0332	4178	8.878 2693	4206	1.121 7307	9.998 7639	24	43		
8	8.877 4510	4174	0,070 0095	4197	1.121 3105	9.998 7615	24	42		
9	8.877 8684	4170	8.879 1092	10000	1.120 8908	9.998 7591	177	41		
0	8.878 2854	270.54	8.879 5286	4194	1.120 4714	9.998 7567	24	40		
1	8.878 7019	4165	8.879 9476	4190	1.120 0524	9.998 7543	24	39		
2	8.879 1181	4162	8,880 3662	4186	1.119 6338	9.998 7519	24	38		
3	8.879 5339	4158	8.880 7844	4182	1.119 2156	9.998 7495	24	37		
4	8.879 9493	4154	8.881 2022	4178	1.118 7978	9.998 7471	24	36		
5	8,880 3643	4146	8.881 6196	4174	1.118 3804	9.998 7447	24	35	2.	4
6	8.880 7789	4142	8.882 0366	4170	1.117 9634	9.998 7423	24	34	1	2'4
70	8.881 1931	4138	8.882 4532	4162	1.117 5468	9.998 7399	24	33	2	4.8
8	8.881 6069	4134	8.882 8694	4158	1.117 1306		24	32	3	7'2
9	8.882 0203	4130	8.883 2852	4154	1.116 7148	9.998 7351	24	31	4	9.6
0	8,882 4333	4126	8.883 7006	A STATE	1.116 2994	9.998 7327	15.7	30		12,0
I	8.882 8459	4122	8.884 1157	4151	1,115 8843	9.998 7303	24	29		4'4
2	8,883 2581	4119	8.884 5303	4146	1.115 4697	9.998 7278	25	28		16.8
3	8.883 6700	4114	8.884 9446	4143	1.115 0554	9.998 7254	24	27	23415	19'2
4	8.884 0814	4110	8.885 3584	4135	1.114 6416	9.998 7230	24	26	912	51,0
5	8.884 4924	4107	8.885 7719	4131	1.114 2281	9.998 7206	25	25		
0	8.884 9031	4103	8,886 1850	4126	1.113 8150	9.998 7181	24	24		
7	8.885 3134	4098	8.886 5976	4124	1.113 4024	9.998 7157	24	23		
8	8.885 7232 8.886 1327	4095	8.887 0100	4119	1.112 9900	9.998 7133	25	22		
9		4091	8,887 4219	4115	1.112 5781	9.998 7108	24	21		
to	8.886 5418	4087	8,887 8334	4111	1,112 1666	9.998 7084	24	20		
1	8.886 9505	4083	8.888 2445	4108	1,111 7555	9.998 7060	25	19		
12	8.887 3588	4080	8.888 6553	4104	1.111 3447	9.998 7035	24	18		
13	8.887 7668	4075	8,889 0657	4100	1,110 9343		25	17		
4	8,888 1743 8,888 5815	4072	8.889 4757	4096	1.110 5243	9.998 6986	24	16		
5	8.888 9883	4068	8.889 8853 8.890 2945	4092		9.998 6962	25	15		
7	8.889 3947	4064	0.090 2945	4089	1.109 7055	9.998 6937 9.998 6913	24	14		
8	8.889 8007	4060	IS SOL TITO	4085	1.108 8881	9.998 6888	25	13		
9	8.890 2063	4056	8.891 5200	4081	1.108 4800	9.998 6863	25	11		
0	8.890 6116	4053	8.891 9277	4077	1.108 0723	9.998 6839	24	-	2	5
-		4048	8 800	4073			25	10	-	
1	8.891 0164	4045	8.892 3350	4070	1.107 0050	9.998 6814	24	8	1	2.2
	8.891 4209 8.891 8250	4041	8.892 7420	4065	1.107 2580	9.998 6790	25		2	5.0
3	8.892 2288	4038	0.093 1405	4063		9.998 6765	25	7		7.5
4	8,892 6321	4033	0.093 3340	4058	1.100 4452	9.998 6740	25			12.2
5	8.893 0351	4030		4054	1.100 0394	9.998 6715 9.998 6691	24	5		2.0
7	8.893 4377	4026	8 804 7711	4051	1.105 2380	9.998 6666	25	4		7.5
	8.893 8400	4023	8.895 1758	4047		9.998 6641	25	2		50.0
9	8.894 2418	4018	8.895 5802	4044	1.104 4108	9.998 6616	25	1		22.5
	8.894 6433	4015	8.895 9842	4040	1 104 0158	9.998 6591	25	0		-
-	Cos.			4	Tang.		d.	minute in		
	LOS.	d.	Cotang.	d. c.	lang.	Sin.	u.	5.		

	-		04	18"				1	
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d,		
0	8,894 6433	4011	8.895 9842	1025	1.104 0158	9.998 6591	21	60	
1	8,895 0444	4007	8.896 3877	4035	1.103 6123	9.998 6567	24	59	
2	8,895 4451	4004	8.896 7910	4028	1.103 2090	9.998 6542	25	58	
3	8,895 8455 8,896 2455	4000	8.897 1938 8.897 5963	4025	1.102 8062	9.998 6517	25	57 56	
4 5	8.896 6451	3996	8.897 9984	4021	1.102 0016	9.998 6467	25	55	
6	8.897 0444	3993 3989	8.898 4002	4018	1.101 5998	9.998 6442	25 25	54	
7	8.897 4433	3985	8.898 8016	4010	1.101 1984		25	53	
8	8,897 8418 8,898 2399	3981	8.899 2026	4007	1.100 7974	9.998 6392 9.998 6367	25	52	
10	0.000	3978	8.899 6033	4003	1.100 3967		25	51	26
		3974		3999	1.099 9964	9.998 6342 9.998 6317	25	50	1 2.6
I I I 2	8.899 0351 8.899 4322	3971	8.900 4035 8.900 8030	3995	1.099 1970	9.998 6292	25	49 48	2 5.2
13	8,899 8289	3967	8.901 2022	3992		9.998 6266	26	47	3 7.8
14	8,900 2252	3963 3960	8.901 6011	3989 3985		9.998 6241	25 25	46	4 10.4
15	8.900 6212	3956	8.901 9996	3981		9.998 6216	25	45	5 13.0
16	8.901 0168 8.901 4120	3952	8.902 3977 8.902 7954	3977	1.007 0023	9.998 6191 9.998 6166	25	44	6 15.6
18	8.901 8069	3949	8.903 1928	3974		9.998 6140	26	43	8 20.8
19	8.902 2014	3945	8.903 5899	3971	1.096 4101	9.998 6115	25	41	9 23.4
20	8.902 5955	3941	8.903 9866	3967	1.096 0134	9.998 6090	25	40	
21	8.902 9893	3938	8.904 3829	3963	1.095 6171	9.998 6064	26	39	
22	8.903 3828	3935 3930	8,904 7788	3959 3957	1.095 2212	9.998 6039	25	38	
23	8.903 7758	3927	8.905 1745	3952		9.998 6014	26	37	
24 25	8.904 1685 8.904 5609	3924	8.905 5697 8.905 9646	3949	1.094 4303	9.998 5988 9.998 5963	25	36	
26	8.904 9529	3920	8.906 3592	3946	1.093 6408	9.998 5937	26	34	
27	8.905 3446	3917	8.906 7534	3942 3938	1.093 2466	9.998 5912	25 26	33	
28	8.905 7358	3910	8.907 1472	3935	1.092 8528		25	32	
29	8.906 1268	3906	8.907 5407	3931	1.092 4593	9.998 5861	26	31	
30	8.906 5174	3902	8.907 9338	3928	1.092 0662	9.998 5835	25	30	
31	8,906 9076	3899	8.908 3266 8.908 7190	3924	1.091 6734	9.998 5810 9.998 5784	26	29 28	
32 33	8.907 2975 8.907 6870	3895	8,908 7190	3921	1.090 8889		25	27	
34	8.908 0762	3892 3888	8.909 5029	3918	1.090 4971	9.998 5733	26 26	26	
35	8.908 4650	3885	8.909 8943	3914	1.090 1057	9.998 5707	25	25	
36	8.908 8535	3881	8.910 2853	3907	1,089 7147	9.998 5682 9.998 5656	26	24	
37 38	8.909 2416 8.909 6294	3878	8.910 6760 8.911 0663	3903	1.088 9337	9.998 5656 9.998 5630	26	23	
39	8,910 0168	3874	8.911 4563	3900	1.088 5437	9.998 5605	25	2 I	
40	8.910 4039	3871	8,911 8460	3897	1.088 1540	9.998 5579	26	20	27
41	8.910 7906	3867	8.912 2353	3893 3890	1.087 7647	9.998 5553	26	19	1 2.7
42	8.911 1770	3864 3860	8.912 6243	3886	1.087 3757	9.998 5527	26	18	2 5'4
43	8.911 5630	3857	8.913 0129	3883	1.086 5088	9.998 5501	26	17	3 8.1
44 45	8.911 9487 8.912 3341	3854	8.913 4012 8.913 7891	3879	1.086 5988	9.998 5475 9.998 5450	25	16	5 13.2
46	8.912 7191	3850	8.914 1767	3876	1,085 8233	9.998 5424	26	14	6 16.2
47	8.913 1037	3846 3844	8.914 5640	3873 3869	1.085 4360	9.998 5398	26	13	7 18·9 7 18·9
	8,913 4881	3839	8.914 9509	3866	1.085 0491	9.998 5372	26	11	
49	8.913 8720	3837	0.915 5575	3862	1.084 2763	9.998 5346	26	-	9 24.3
50 51	8.914 2557	3833	8.915 7237	3859		9.998 5320	26	10	
5	8,914 6390 8,915 0219	3829	8.916 1096 8.916 4952	3856		9.998 5294 9.998 5268	26	9 8	
5	8.915 4045	3826	8,916 8804	3852		9.998 5242	26		
5	18,915 7868	3823 3820	8.917 2653	3849 3845	1.082 7347	9.998 5216	26 27	7 6	
15	8.916 1688	3816	8.917 6498	3842	1.082 3502	9.998 5189	26	5	
5	8.916 5504 8.916 9316	3812	8.918 0340 8.918 4179	3839	1.081 5821	9.998 5163 9.998 5137	26	4	
5	8.917 3125	3809	0 0 0	3835	1.081 1986	9.998 5111	26	3 2	
5	8.917 6931	3000	8.919 1847	3833	1.080 8153	9.998 5085	26	1	
5 5 5 6	8.918 0734	3803	8.919 5675	3828		9.998 5058	27	0	
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.	
			5"	41"	ı				
L			9	41					

			04	19"	1						
s.	Sin.	d.	Tang.	d, c.	Cot	nng.	Co	s.	d.		
0	8.918 0734	379 9	8.919 5675	3826	1.080		9.998	5058	26	60	i
1	8.918 4533	3796	8.919 9501	3822	1.080		9.998	5032	26	59	
2	8.918 8329 8.919 2121	3792	8.920 3323 8.920 7142	3819	1.079		9.998 9.998	5006 4980	26	58 57	i
3	8.919 5911	3790	8.921 0957	3815	1.078		9.998	4953	27	56	i
5	8.919 9696	3785 3783	8.921 4769	3812 3809	1.078	5231	9.998	4927	26 26	55	i
6	8.920 3479	3779	8.921 8578	3806	1.078		9.998		27	54	
7	8.920 7258 8.921 1034	3776	8.922 2384 8.922 6186	3802	1.077	7010 2814	9.998 9.998	4874	26	53 52	i
9	8.921 4807	3773	8.922 9985	3799	1.077	0015	9.998	4821	27	51	i
10	8.921 8576	3769	8.923 3781	3796	1.076		9.998	4795	26	50	26
11	8.922 2342	3766	8.923 7574	3793	1.076		9.998	4768	27	49	I 2.6
I 2	8.922 6105	3763 3759	8.924 1363	3789 3786	1.075	8637	9.998	4742	26 27	48	2 5.5
13	8.922 9864	3756	8.924 5149	3783	1.075		9.998	4715	26	47	3 7.8
14 15	8.923 3620 8.923 7373	3753	8.924 8932 8.925 2711	3779	1.075		9.998 9.998		27	46 45	4 10.4 5 13.0
16	8.924 1123	3750	8.925 6487	3776	1.074		9.998		26	44	6 15.6
17	8.924 4869	3746	8.926 0260	3773	1.073	9740	9.998	4609	27 27	43	7 18.2
18	8.924 8613	3744 3739	8.926 4030	3770 3767	1.073		9.998	4582	26	42	8 20.8
19	8.925 2352	3737	8.926 7797	3763	1.073		9.998	4556	27	41	9 23.4
20	8.925 6089	3733	8.927 1560	3760	1.072		9.998	4529	27	40	i
2 I 2 2	8.925 9822 8.926 3553	3731	8.927 5320 8.927 9077	3757	1.072		9.998 9.998	4502 4476	26	39 38	i
23	8.926 7280	3727	8.928 2831	3754			9.998	4449	27	37	
24	8.927 1003	3723 3721	8.928 6581	3750	1.071	3419	9.998	4422	27 27	36	
25	8.927 4724	3717	8.929 0329	3748 3744	1.070		9.998		27	35	i
26 27	8.927 8441 8.928 2155	3714	8.929 4073 8.929 7814	3741	1.070		9.998 9.998	4308	27	34	i
28	8.928 5866	3711	8.930 1552	3738	1.069		9.998	4315	26	33 32	i
29	8.928 9574	3708	8.930 5286	3734	1.069		9.998	4288	27	31	
30	8.929 3279	3705	8.930 9018	3732	1.069	0982	9.998	4261	27	30	ì
31	8.929 6980	3701 3698	8.931 2746	3728 3725	1.068		9.998	4234	27 27	29	i
32	8.930 0678	3695	8.931 6471 8.932 0193	3722	1.068			4207 4180	27	28	ŀ
33 34	8.930 4373 8.930 8065	3692	8.932 3912	3719	1.067		9.998 9.998	4153	27	27 26	
35	8.931 1754	3689 3685	8.932 7628	3716	1.067		9.998	4126	27	25	
36	8.931 5439	3683	8.933 1340	3712	1.066		9.998		27 27	24	i
37	8.931 9122	3679	8.933 5050	3706	1,066		9.998		27	23	
38 39	8.932 2801 8.932 6477	3676	8.933 8756 8.934 2460	3704	1.065	-	9.998 9.998		28	22 21	
40	8.933 0150	3673	8.934 6160	3700	1.065		9.998	3990	27	20	27
41	8.933 3820	3670	8.934 9857	3697	1.065		9.998	3963	27	19	1 2.7
42	8.933 7487	3667	8.935 3551	3694	1.064	6449	9.998	3936	27	18	2 5.4
43	8.934 1150	3663 3661	8.935 7242	3691 3687	1.064		9.998	3909	27 28	17	3 8.1
44	8.934 4811	3657	8.936 0929 8.936 4614	3685	1.063		9.998	3881	27	16	4 10.8
45 46	8.934 8468 8.935 2122	3654	9 0 3 6 9 0 0 6	3682	1.063	1704	9.998 9.998	3854 3827	27	I 5 I 4	5 13.2
47	8.935 5774	3652 3648	8.937 1974	3678 3676	1.062	8026	9.998	3800	27 28	13	7 18.9
	8.935 9422	3645	8.937 5650	3672	1.062	4350	9.998	3772	27	12	8 21.6
49	8.936 3067	3642	0.937 9322	3669			9.998		28	11	
50		3639	8.938 2991	3667			9.998	3717	27	10	
5 I 5 2	8.937 0348 8.937 3983	3635	8.938 6658 8.939 0321	3663			9.998 9.998		27	9	
5.3	8.937 7616	3633	8.939 3981	3660	1.060	6010	9.998	3635	28	7	
54	8.938 1246	3630 3627	8.939 7638	3657 3654	1.060	2362	9.998	3608	27 28	6	•
55	8.938 4873	3623	8.940 1292	3652	1.059	8708	9.998	3580	27	5	
50	8.938 8496 8.939 2117	3621	8.940 4944 8.940 8592	3648	1.059	5050	9.998 9.998	3553	28	4	
5/ 58	8.939 5734	3617	8.941 2237	3645	1.058	7763	9.998	3497	28	3 2	
59	8.939 9349	3615 3611	8.941 5879	3642	1.058	4121	9.998	3470	27 28	ī	
	8.940 2960	3011	8.941 9518	3639			9.998	3442	28	<u> </u>	•
	Cos.	d.	Cotang.	d. c.	Ta	ng.	Si	n.	d.	s.	
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			0^	20"					
<u>.</u>	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d,		
0	8,940 2960	2600	8.941 9518	26.56	1.058 0482	9.998 3442		60	
1	8.940 6569	3609	8.942 3154	3636	1.057 6846	9.998 3415	27	59	
2	8.941 0174	3605 3602	8.942 6787	3633 3630	1,057 3213	9.998 3387	28	58	
3	8.941 3776	3600	8.943 04.17	3627	1.056 9583	9.998 3359	7.0	57	
4	8.941 7376	3596	8.943 4044	3624	1.056 5956	9.998 3332	27 28	56	
5	8.942 0972	3593	8.943 7668	3621	1,056 2332	9.998 3304	28	55	
6	8.942 4565	3591	8.944 1289	3619	1.055 8711	9.998 3276	28	54	
7	8.942 8156 8.943 1743	3587	8.944 4908	3615	1.055 5092	9.998 3248	28	53	
9	8.943 1743 8.943 5328	3585	8.944 8523 8.945 2135	3612	1.055 1477 1.054 7865	9.998 3220	27	52	
9	8.943 8909	3581		3609		9.998 3193	28	51	-0
-		3578	8.945 5744	3607	1.054 4256	9.998 3165	28	50	28
1	8.944 2487 8.944 6063	3576	8.945 9351	3603	1.054 0649	9.998 3137	28	49	1 2.8
3	8.944 9635	3572	8.946 2954 8.946 6554	3600	1.053 7046	9.998 3109	28	48	2 5.6
3	8.945 3205	3570	8.947 0152	3598	1.053 3440	9.998 3081 9.998 3053	28	47	3 8.4
5	8.945 6772	3567	8.947 3746	3594	1.052 6254	9.998 3053 9.998 3025	28	45	4 11.5
6	8.946 0335	3563	8.947 7338	3592	1.052 2662	9.998 2997	28	44	6 16.8
7	8.946 3896	3561	8.948 0927	3589	1.051 9073	9.998 2969	28	43	7 19.6
8	8.946 7454	3558	8.948 4513	3586	1.051 5487	9.998 2941	28 28	42	8 22.4
9	8.947 1009	3555	8.948 8096	3583	1.051 1904	9.998 2913	28	41	9 25.2
20	8.947 4561	3552	8.949 1676	3580	1.050 8324	9.998 2885	100	40	4.55
1:	8.947 8110	3549	8.949 5253	3577	1.050 4747	9.998 2857	28	39	
22	8.948 1656	3546	8.949 8827	3574	1.050 1173	9.998 2829	28	38	
23	8.948 5199	3543 3540	8.950 2398	3571 3569	1.049 7602	9.998 2801	28	37	
4	8.948 8739	3537	8.950 5967	3565	1.049 4033	9.998 2772	29	36	
25	8.949 2276	3535	8.950 9532	3563	1.049 0468	9.998 2744	28	35	
6	8.949 5811	3531	8.951 3095	3559	1.048 6905	9.998 2716	28	34	
27 28	8.949 9342	3529	8.951 6654	3557	1,048 3346	9.998 2688	28	33	
29	8.950 2871 8.950 6397	3526	8.952 0211 8.052 2765	3554	1.047 9789	9.998 2660 9.998 2631	29	32	
_		3523	8.952 3765	3552			28	31	
30	8.950 9920	3520	8.952 7317	3548		9.998 2603	28	30	
31	8.951 3440	3517	8.953 0865	3545	1.046 9135	9.998 2575	29	29	
33	8.951 6957 8.952 0471	3514	8.953 4410 8.953 7953	3543	1.046 5590	9.998 2546 9.998 2518	28	28 27	
34	8.952 3982	3511	8.954 1493	3540	1.045 8507	9.998 2489	29	26	
5	8.952 7491	3509	8.954 5030	3537	1.045 4970	9.998 2461	28	25	
6	8.953 0996	3505	8.954 8564	3534	1.045 1436	9.998 2433	28	24	
7	8.953 4499	3503 3500	8.955 2095	3531	1.044 7905	9.998 2404	29 28	23	
8	8.953 7999	3497	8.955 5624	3529 3525	1.044 4376	9.998 2376	29	22	
39	8.954 1496	3495	8.955 9149	3523	1.044 0851	9.998 2347	29	21	
to	8.954 4991	3491	8.956 2672		1.043 7328	9.998 2318	28	20	29
ļ I	8.954 8482	3489	8.956 6192	3520 3517	1 043 3808	9.998 2290	(de.	19	1 2'9
12	8.955 1971	3486	8.956 9709	3517	1.043 0291	9.998 2261	29	18	2 5.8
13	8.955 5457	3483	8.957 3224	3511	1.042 6776	9.998 2233	29	17	3 8.7
4	8.955 8940 8.956 2420	3480	8.957 6735 8.958 0244	3509	1.042 3265		29	16	4 11.6
12	8.956 5897	3477	0 0 50 0 550	3506	1.041 9756	9.998 2175 9.998 2147	28	15 14	5 14'5
17	8.056 0372		8 058 7254	3504	1.041 2746	9.998 2118	29	13	
8	8.956 9372 8.957 2843	3471	8.959 0754	3500	1.040 9246	9.998 2089	29	12	7 20'3 8 23'2
19	8.957 6312	3409	R OFO ASES	3498	1.040 5748	9.998 2061	28	11	9 26'1
;0	8.957 9779	3467	8.959 7747	3495	1.040 2253	9.998 2032	29	10	35
;1	8.958 3242	3463		3492	1.039 8761	9.998 2003	29	_	
2	8 058 6500	3461	8.960 4728	3489	1.039 5272	9.998 1974	29	9	
3	8.959 0160	3457	8 060 8215	3487	1.039 1785	9.998 1945	29	7	
4	8.959 3015	3433	8.961 1699	3484 3481		9.998 1916	29	7 6	
5	8.959 7068	3453	8.961 5180		1.038 4820	9.998 1888	28	5	
5	8.960 0517	3449 3447	8.961 8659	3479 3475		9.998 1859	29	4	
7	8.960 3964	2444	8.962 2134	3473		9.998 1830	29	3	
3		344I	8.962 5607	3471		9.998 1801	29	2	
3	8,961 0849	3430	8.962 9078	3467		9.998 1772	29		
0			8.963 2545			9.998 1743		0	
Ì	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.	
_			5 ^h	39"				_	

			0^	21"					
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.		
0	8.961 4288	2426	8.963 2545	3465	1.036 7455	9.998 1743	29	60	,
ī	8.961 7724	3436 3433	8.963 6010	3462	1.036 3990	9.998 1714	29	59	
2	8.962 1157	3430	0.903 941-	3459	1.036 0528	9.998 1685	29	58	
3	8.962 4587 8.962 8014	3427	8.964 2931 8.964 6388	3457	1.035 7009	9.998 1656 9.998 1626	30	57 56	
4 5	8.963 1439	3425	8.964 9842	3454		9.998 1597	29	55	
6	8.963 4861	3422 3420	8.965 3293	3451 3449	1.034 6707	9.998 1568	29 29	54	
7	8.963 8281	3416	8.965 6742	3446	1.034 3258	9.998 1539	29	53	
8 9	8.964 1697 8.964 5111	3414		3443	1.033 9812	9.998 1510 9.998 1481	29	52 51	
10	8.964 8523	3412	8 066 7071	3440	1.033 2929	9.998 1451	30	50	29
11	8.965 1931	3408	0 .6= 0500	3438	1.032 9491	9.998 1422	29	49	I 2'9
12	8.965 5337	3406	8.967 3944	3435	1.032 6056		29	48	2 5.8
13	8.965 8740	3403 3401	8.967 7377	3433 3430		9.998 1363	30 29	47	3 8.7
14	8.966 2141	3398	8.968 0807	3427	1.031 9198	9.998 1334	29	46	4 11.6
15	8.966 5539 8.966 8934	3395	8.968 4234 8.968 7658	3424	1.031 5700	9.998 1305 9.998 1275	30	45	5 14.2 6 17.4
16 17	8.967 2 326	3392	8.060 1080	3422	1.030 8920		29	44 43	7 20.3
18	8.967 5716	3390	8.969 4499	3419	1.030 5501	9.998 1217	29	42	8 23.2
19	8.967 9103	3387	8.969 7916	3417	1.030 2084		30	41	9 26.1
20	8.968 2487	3384	8.970 1330	3414	1.029 8670	9.998 1158	29	40	
21	8.968 5869	3382	9/0 4/4	3411 3409	1.029 5259	9.998 1128	30 29	39	
22	8.968 9248	3379 3377	8.970 8150	3406	1.029 1850	9.998 1099	30	38	
23		3374	8.971 1556	3403		9.998 1069	29	37	
24	8.969 5999 8.969 9370	3371	0.9/1 4959	3401	1.028 5041	9.998 1040 9.998 1010	30	36	
25 26	8.970 2 738	3368	00	3398	1.027 8242		30	35 34	
27	8.970 6104	3366	8.972 5154	3396	1.027 4846		29	33	
28	8.970 9468	3364 3360	8.972 8547	3393 3390	1.027 1453	9.998 0921	30 30	32	
29	8.971 2828	3358	9.913 .931	3388	1.026 8063		29	3.	
30	8.971 6186	3356	8.973 5325	3385	1.026 4675	9.998 0862	30	30	
31	8.971 9542	3353	8.973 8710	3382	1.026 1290		30	2 9	
32	8.972 2895	3350	8.974 2092	3380		9.998 0802	30	28	
33 34	8.972 6245 8.972 9592	3347	8.974 5472 8.974 8850	3378		9.998 0772 9.998 0743	29	27 26	
35	8.973 2937	3345	8.075 2225	3375		9.998 0713	30	25	
36	8.973 6280	3343 3340	8.975 5597	3372 3370	1.024 4403	9.998 0683	30	24	
37	8.973 9620	3337	0.9/3 090/	3367	1.024 1033		30	23	
38		3335	8.976 2334	3364		9.998 0623	30	22	
39	8.974 6292	3332	8.976 5698	3362	1.023 4302		30	21	20
40	8.974 9624	3329	8.976 9060	3360	1.023 0940	9.998 0563 9.998 0533	30	20	30
41	8.975 2953 8.975 6280	3327	8.977 5777	3357	1.022 7580	1,,,,	30	19 18	1 3'0 2 6'0
42 43	8.975 9604	3324	8.977 9131	3354		9.998 0473	30	17	3 9.0
44	8.976 2926	3322	8.978 2483	3352	1.021 7517	9.998 0443	30 30	16	4 12.0
45	8.976 6245	3319	0.9/0 3032	3349 3347		9.998 0413	120	15	5 15.0
46	8.976 9562 8.977 2876	3314		3344	1.021 0821	9.998 0383 9.998 0353	30	14 13	6 18.0
47 48	8.977 6188	3312	8.070 5865	3342	1.020 /4/7	9.998 0353	30	12	7 21.0 8 24.0
49	8.977 9497	3309	8 070 0304	3339	1.020 0796	9.998 0293	130	11	9 27.0
50		3306	8,980 2540	3336		9.998 0263	30	10	
51	8.978 6107	3304	8.980 5874	3334		9.998 0233	30		
52	8.978 9408	3301	8.980 9206	3332	1.019 0794	9.998 0202	31	9 8	
53	8.979 2707	3299 3297	0.901 2333	3329 3327	1.018 7465	9.998 0172	30	7	
54	8.979 6004	3293		3324		9.998 0142 9.998 0112	30	6	
55	8.979 9297 8.980 2589	3292 3288	8.982 2507	3321		9.998 0081	31	5 4	
57	8.980 5877	3288	8.982 5827	3320		9.998 0051	30	3	
58	8.980 9164	3287 3283	8.982 9143	3316	1.017 0857	9.998 0021	30	2	
59	8.981 2447	3282	8.983 2457	3314 3312	1.016 7543	9.997 9990	30	1	
60	8.981 5729	3202	0.903 5709			9.997 9960	30	0	
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.	
$\ -$			5 h	38"	ı				
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Ī					0^	22"	ı							
s.	Si	n.	d.	Ta	ng.	d. c.	Cotan	g.	Co	05.	d.			
0	8.981	5729	2020	8.983	5769	2200	1.016 4	231	9.997	9960	4.	60		
1	8.981	9007	3278 3277	8.983	9078	3309	1.016 0	922	9.997	9929	30	59		
2	8.982		3273	8.984		3307	1.015 7		9.997	0.00	31	58		
3	8.982 8.982	5557	3272	8.984 8.984		3302	1.015 4	200		9868 9838	30	57		
4	8.983		3269	8.985		3299	1.015 1	100	A 1.4.4	9807	31	56 55		
5	8,983	5364	3266	8.985	5587	3297	1,014 4	200	A . W . A . L.	9777	30	54		
7	8.983	8628	3264 3261	8.985	8881	3294 3292	1,014 1		9.997	9746	30	53		
8	8.984		3259	8.986		3290	1.013 7		9.997	9716	31	52		
9	8.984		3256			3287	1.013 4	_	9.997	9685	30	51		
10	8.984		3254	8.986		3284	1.013 1	-	9.997	9655	31	50	-	31
I I I 2	8.985 8.985		3252	8.987 8.987	2034	3283	1.012 7		9.997	9624 9593	31	49	1 2	3'1 6'2
13	8.985		3249	8.987	5317 8506	3279	1.012 1				31	47	3	9.3
14	8.986		3246	8.988		3278	1.011 8	126			30	46	4	12'4
15	8.986		3245 3241	8.988	5149	3275	1.011 4		9.997	9501	31	45	5	15.2
16	8.986		3239	8.988		3270	1,011		A 10 10 10 1	9470	31	44	6	18.6
17 18	8.987 8.987		3237	8.989 8.989		3268	1.010 8		9.997	9439	30	43	7 8	21'7
19	8.987		3235	8.989		3265	1.010 1	100	9.997		31	41	9	27'9
20	8.988		3232	8.990		3263	1.009 8		9.997	9347	31	40	1	
21	8.988		3229	8.990		3260	1.009 5		9.997		31	39		
22	8.988	7290	3227	8.990	8005	3258	1.009 1	995	9.997		31	38		
23	8.989		3225	8.991		3256	1.008 8			9254	31	37		
24	8.989		3220	8.991		3251	1.008 5		9.997	9223	31	36		
25 26	8.989 8.990		3217	8.991 8.992		3248	1.008 2		9.997	9192	31	35 34		
27	8.990		3216	8.992		3246	Contract to the second	741	9.997	9130	31	33		
	8.990		3212 3210	8.992		3244	1.007 2	C 12 1 1 1	9.997	9099	31	32		
29	8.990		3208	8.993		3241	1.006 9	_	9.997	9068	31	31		
30	8.991		3206	8.993	3983	3237	1.006 6	017	9.997	9037	31	30		
31	8.991		3203	8.993		3234	1,006 2		9.997	9006	31	29		
32	8.991		3200	8.994	0454	3232	1.005 9		9.997	8975	31	28		
33 34	8.992 8.992		3199	8.994 8.994		3229	1.005 6			8944	32	27 26		
	8.992		3196	8.995		3228	1.004 9			8881	31	25		
	8.993	2217	3193	8.995	3367	3224	1.004 6	633	9.997	8850	31	24		
37		5408	3189		6590	3223	1.004 3			8819	32	23		
	8.993		3187	0.995		3218	1.004 0		9.997	8787 8756	31	22		
39	8.994		3184	8.996 8.996		3215		_	-	8725	31	20		32
	8.994		3182	8.996		3213	1,003 0	757	9.997	8693	32	19	1	I market to the second
41 42	8.994 8.995	1329	3179	8.990 8.997		3211	1.003 0	20.0	9.997	8662	31	18	2	6.4
	8.995	4506	3177	8.997	5875	3208	1.002 4			8631	31	17	3	9.6
44	8.995	7681	3175	8.997	9081	3206 3204	1.002 0			8599	31	16	4	12'8
45	8.996	0853	3170	8.998	2285	3202	1.001 7	715	9.997	8568	32	15	5	19'2
46 47	8.996 8.996	7101	3168	0.993		3199	1.001 4	314	9.997 9.997	8505	31	13		22.4
48	8.997	0356	3165			3197	1.000 8	117	9.997	8473	32	12	7 8	25.6
49	8.997	3519	3161	0.999	5077	3194	1.000 4	923	9.997	8442	31	11	9	28.8
49 50 51	8.997	668o	3158	8.999	8270	3193	1.000 1		9.997	8410	31	10		
ll 5 I	8.997	9838	3156	9.000	1460	3190	0.999 8	540	9.997	8379	32	9		
'2	8.998		3154	9.000	4647	3186	0.999 5	353	9.997	8347	32	8		
3	8.998 8.998	0148	3151	9.000 9.001	7033	3183	0.999 2	084	9.997	8284	31	7		
	8.999	2440	3150	0.001	4197	3181	0.998 5				32	5		
i	8.999	5595	3146	9.001	7375	3178 3176	0.998 2	625	9.997	8220	32 31	4		
	8.999	8740	3145 3142	9.002	0551	3174	0.997 9	449	9.997	8189	32	3		
	9.000		3140	9.002	60	3172	0.997 6				32	2		
3	9.000		3138	9.002	0097	3169	0.997 3				32	-0		
기	9.000 Co		d.	G.003	0000	dia	Tang.		9.997 Si		d.	-		
J		, s.	u.	Cota		d. c.			- 11		Me	744		
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Γ			0,4	23 n	1				
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.		
0	9.000 8160	3135	9.003 0066	3168	0.996 9934	9.997 8093	21	60	
1	9.001 1295	3133	9.003 3234	3164	0.996 6766	9.997 8062	31 32	59	
2	9.001 4428	3131	9. 0 03 6398 9.003 9561	3163	0.996 3602	9.997 8030	32	58	ļ
3 4	9.001 7559	3128	9.003 9501	3160	0.996 0439	9.997 7998 9.997 7966	32	57 56	
5	9.002 3814	3127	9.004 5880	3159	0.995 4120	9.997 7934	32	55	
6	9.002 6938	3124	9.004 9035	3155	0.995 0965	9.997 7902	32	54	
7	9.003 0059	3120	9.005 2189	3151	0.994 7811	9.997 7870	32 32	53	
8	9.003 3179	3117	9.005 5340 9.005 8490	3150	0.994 4660		32	52	
9	9.003 6296	3115		3147	0.994 1510		32	51	,,
10	9.003 9411	3112	9.006 1637	3144	0.993 8363	9.997 7774	32	50	32
I I I 2	9.004 2523 9.004 5634	3111	9.006 4781 9.006 7924	3143	0.993 5219	9.997 7742 9.997 7710	32	49 48	1 3'2 2 6'4
13	9.004 8742	3108	9.007 1064	3140	0.993 8936		32	47	3 9.6
14	9.005 1848	3106 3104	9.007 4202	3138 3136	0.992 5798		32	46	4 12.8
15	9.005 4952	3101	9.007 7338	3133	0.992 2662		32	45	5 16.0
16	9.005 8053	3099	9.008 0471	3132	0.991 9529		33	44	6 19.2
17 18	9.006 1152 9.006 4249	3097	9.008 3603 9.008 6732	3129	0.991 6397	9.997 7549 9.997 7517	32	43 42	7 22.4 8 25.6
19	9.006 7344	3095	9.008 9859	3127	0.991 0141	9.997 7485	32	41	9 28.8
20	9.007 0436	3092	9.009 2984	3125	0.990 7016		32	40	.
21	9.007 3527	3091	9.009 6106	3122	0.990 3894		33	39	
22	9.007 6615	3088 3085	6	3120	0.990 0774		32	38	
23		3084	9.010 2345	3119		9.997 7356	32	37	
24		3081	9.010 5401	3113		9.997 7323	32	36	
25 26	9.008 5865 9.008 8945	3080	9.010 8574 9.011 1686	3112	0.989 1426	9.997 7291 9.997 7259	32	35	
27	9.009 2022	3077	0.011 4705	3109	0.988 5205	9.997 7226	33	34 33	
28	9.009 5096	3074	9.011 7903	3108	0.988 2097	9.997 7194	32	32	
29	9.009 8169	3073 3070	9.012 1008	3105 3102	0.987 8992		33	13.	
30	9.010 1239	3069	9.012 4110	3101	0.987 5890	9.997 7129	1	130	1
31	9.010 4308	3066	9.012 7211	3099	0.987 2789		33	129	
32		3063	9.013 0310	3096	0.980 9090	9.997 7064	33	120	
33 34		3062	9.013 3400	3094	0.986 2500	9.997 7031	32		
35	9.011 6559	3000	9.013 9592	3092	0.086.0408	9.997 6966	33	25	B
36		3057	9.014 2682	3090 3088	0.085 7218	9.997 6933	33	24	
37	9.012 2671	3053	9.014 5770	3086	0.985 4230	1	32	23	
38	9.012 5724 9.012 8775	3051	9.014 8856	3083	0.905 1144		33	122	
39	9.012 07/3	3048	9.015 1939	3082	0.984 8061		32	14	,,
40	9.013 1823	3047	9.015 5021	3079	0.984 4979		33	20	
41 42		3044	0016 1177	3077		9.997 6770 9.997 6737	33	19	
43	9.014 0956	3042	0.016 4252	3075	0.083 5748	9.997 6704	33	117	
44	9.014 3996	3040 3038	9.010 7325	3073 3070	0.903 2075	9.997 6672	32	1,0	4 13.2
45	9.014 7034	3036	19.01/ 0395	3069	10.902 9005	9.997 6639	33	1.5	5 16.5
46 47	9.015 0070 9.015 3103	12022	IU.UI7 KAUA	3066	0 080 2470	9.997 6606 9.997 6573	33	114	6 19.8
	9.015 6135	3032	0.017 0504	3004	0.082 0406	9.997 6540	33	12	
49	9.015 9164	3029	9.018 2657	3003	0.081 7343	9.997 6507	33	11	
50	9.016 2191	3027	9.018 5717	3060	0.031 4233	9.997 6474	33	10	
51		3025	9.018 8775	3058	0.981 1225	9.997 6441	33	9	
52	9.016 8239	3023 3021	9.019 1831	3053	0.900 0109	19.997 0400	33	8	
53	9.017 1260	3018	9.019 4884	3052	0.900 3110	9.997 6375	33		
54	9.017 4278 9.017 7295	3017	9.019 7936 9.020 0986	3050	0.900 2004	9.997 6342 9.997 6309	33	ľ	
56	9.017 7295	3014	9.020 4033	3047	0.9/9 9014	9.997 6276	33	4	
57	9.018 3321	3012	9.020 7079	3046	0.979 2921	9.997 6243	33	3	i
58	9.018 6332	3008	9.021 0122	3043 3041	0.978 9878	9.997 6210	33	2	i
<u>59</u>	9.018 9340	2006	9.021 3163	3039		9.997 6177	34	<u> -</u>	ĺ
60	9.019 2346		9.021 6202			9.997 6143	_	. 0	
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	5.	
			54	36"	ı				

			0	24'	71.				
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.	Г	
0	9.019 2346		9.021 6202		0.978 3798	9.997 6143	10	60	
1	9.019 5350	3004	9.021 9239	3037	0.978 0761	9.997 6110	33	59	
2	9.019 8351	3001	0022 2274	3035		9.997 6077	33	58	
3	9.020 1351	3000 2997	9.022 5307	3033	0.977 4693	9.997 6044	33	57	
4	9.020 4348	2996	9.022 8338	3029	0.977 1662	9.997 6011	33	56	
5	9.020 7344	2993	9.023 1367	3026	0.976 8633	9.997 5977	34	55	
6	9.021 0337	2992	9.023 4393	3025	0.976 5607	9-997 5944	33	54	
7 8	9.021 33 2 9 9.021 6318	2989	9.023 7418	3023	0.976 2582	9.997 5911	34	53	
9	9.021 9305	2987	9.024 0441 9.024 3461	3020	0.975 6539		33	52 51	
	9.022 2290	2985	9.024 6480	3019		-	34	-	
	<u> </u>	2983		3016	0.975 3520		33	50	34
I I I 2	9.022 5273 9.022 8254	2981	9.024 9496	3014	0.975 0504		34	49	1 3.4
13	9.022 0234	2979	9.025 2510 9.025 5523	3013	0.974 7490		33	48	VA 1.475. P.
14	9.023 4210	2977	9.025 8533	3010	0.974 1467		34	47	3 10.5
15	9.023 7184	2974	9.026 1541	3008	0.973 8459	9.997 5643	33	45	5 17.0
16	9.024 0157	2973	9.026 4548	3007	0.973 5452	9.997 5609	34	44	6 20'4
17	9.024 3128	2971 2968	9.026 7552	3004	0.973 2448	9.997 5576	33	43	7 23.8
18	9.024 6096	2967	9.02/ 0554	3000	0.972 9446	F. 6.7 1 F. 6.1.	34	42	8 27.2
19	9.024 9063	2964	9.027 3554	2998	0.972 6446	9.997 5509	34	41	9 30.6
20	9.025 2027	2963	9.027 6552	2996	0.972 3448	9.997 5475	0.00	40	
21	9.025 4990	2960	9.027 9548	2994	0.972 0452	9-997 5441	34	39	
22	9.025 7950	2958	9.028 2542	2994	0.971 7458	5 L 5 C L	33	38	
23	9.026 0908	2957	19.020 5554	2990	0.971 4466	9.997 5374	34	37	
24 25	9.026 3865 9.026 6819	2954	9.028 8524	2988	0.971 1476	9.997 5340	34	36	
	9.026 9771	2952	9.029 1512 9.029 4498	2986	0.970 8488		33	35	
27	9.027 2721	2950	0 000 5480	2984	0.970 2518		34	34	
28	9.027 5669	2948	9.030 0464	2982	0.969 9536		34	32	
29	9.027 8616	2947	9.030 3444	2980	0.969 6556		34	31	
30	9.028 1560	2944	9.030 6422	2978	0.969 3578	9.997 5137	34	30	
31	9.028 4502	2942	9.030 9398	2976	0.969 0602		34	29	
32	9.028 7442	2940	9.031 2373	2975	0.968 7627		34	28	
33	9.029 0380	2938	0.021 5245	2972	0.968 4655	9.997 5035	34	27	
34	9.029 3316	2936 2934	9.031 8315	2970 2968	0.968 1685	9.997 5001	34	26	
35	9.029 6250	2932	9.032 1283	2966	0.967 8717	9.997 4967	34	25	
	9.029 9182	2930	9.032 4249	2964	0.967 5751		34	24	
37 38	9.030 2112	2928	9.032 7213	2962	0.967 2787		34	23	
39	9.030 5040 9.030 7966	2926	9.033 01/5	2960	0.966 9825 0.966 6865	9.997 4865	34	21	
40	9.031 0890	2924	9.033 3135	2958			34	\rightarrow	7.5
_		2923	9.033 6093	2957	0.966 3907	9.997 4797	34	20	35
41	9.031 3813 9.031 6733	2920	9.033 9050	2954	0.966 0950 0.965 7996	9.997 4763	34	18	1 3.5
42 43	9.031 9651	2918	9.034 2 004 9.034 4956	2952	0.965 5044		34	17	2 7'0 3 10'5
44	9.032 2567	2916	9.034 7906	2950	0.965 2094		35	16	4 14'0
45	9.032 5481	2914	9.035 0855	2949		9.997 4626	34	15	5 17'5
46	9.032 8393	2912 2910	9.035 3801	2946	0.964 6199	9.997 4592	34	14	6 21'0
47	9.033 1303	2909	9.035 6746	2945 2942	0.964 3254	9.997 4558	34	13	7 24.5
48	9.033 4212	290 6	19.035 9000	2941		9.997 4523	34	12	8 28.0
49	9.033 7118	2904	9.030 2029	2938	0.963 7371	9.997 4489	34	11	9 31.2
50	9.034 0022	2903	9.030 5507	2937	0.963 4433	9.997 4455	35	10	
51	9.034 2925	2900	9.036 8504	2935	0.963 1496	9.997 4420	100	9	
	9.034 5825	2898	9.037 1439	2933		9.997 4386	34	8	
	9.034 8723	2897	9.037 4372	2931	0.962 5628		35	7	
	9.035 1620	2894	9.037 7303	2929	0.902 2097	9.997 4317	34	6	
56	9.035 4514 9.035 7407	2893	9.030 0232	2927	0.061 6841	9.997 4283 9.997 4248	35	5	
	9.036 0297	2890	0 / - 0 .	2925	0.961 3016	9.997 4240	34	4	
	9.036 3186	2889	9.038 9007	2923	0.961 0993	9.997 4179	35	2	
59	9.036 6073	2887	0	2921	0.960 8072	9.997 4145	34	1	
	9.036 8958	2885	9.039 4848	2920		9.997 4110	35	0	
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	5.	
_							-	-	
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			0'	25"	R					
S.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.			
0	9.036 8958	2882	9.039 4848	2077	0.960 5152	9.997 4110	٠, ١	60		
ī	9.037 1840	2881	9.039 7765	2917 2916	0.960 2235	9.997 4075	35	59		
2	9.037 4721	2879	9.040 0681	2913	0.959 9319		34 35	58		
3	9.037 7600	2877	9.040 3594 9.040 6506	2912	0.959 6406		35	57 56		
4 5	9.038 0477	2875	9.040 9416	2910	0.959 3494	9.997 3971	34	55		
6	9.038 6226	2874	9.041 2324	2908		9.997 3902	35	54		
7	9.038 9097	2871 2869	9.041 5230	2906 2904	0.958 4770		35 34	53		
8	9.039 1966	2868	9.041 8134	2902	0.958 1866	9.997 3833	35	52		
_9	9.039 4834	2865	9.042 1036	2900	0.957 8964	9.997 3798	35	<u>51</u> .		
10	9.039 7699	2864	9.042 3936	2899	0.957 6064	9.997 3763	35	<u>50</u>		34
11	9.040 0563	2861	9.042 6835	2896	0.957 3165	9.997 3728	35	49	I	3°4 6·8
13	9.040 3424 9.040 6284	2860	9.042 9731 9.043 2626	2895	0.957 0269	9.997 3693 9.997 36 5 8	35	48 47	3	10'2
14	9.040 9142	2858	9.043 5519	2893	0.956 4481	9.997 3623	35	46	4	13.6
15	9.041 1998	2856 2854	9.043 8410	2891 2889	0.956 1590		34	45	5	17'0
16	9.041 4852	2852	9.044 1299	2887	0.955 8701	9.997 3554	35 35	44		20'4
17 18	9.041 7704	2851	9.044 4186	2885	0.955 5814	9.997 3519	35	43	7 8	23'8
19	9.042 0555 9.042 3403	2848	9.044 7071	2883	0.955 2929	9.997 3484 9.997 3449	35	42 41		27°2 30°6
20	9.042 6249	2846	9.045 2836	2882	0.954 7164	9.997 3414	35	40	71	J 71.50
21	9.042 9094	2845	9.045 5716	2880	0.954 4284	9.997 3378	36			
22	9.042 9094	2843	9.045 8593	2877	0.954 4204	9.997 3343	35	39 38		
23	9.043 4778	2841 2839	9.046 1469	2876	0.953 8531	9.997 3308	35	37		
24	9.043 7617	2837 2837	9.046 4343	2874 2873	0.953 5657	9.997 3273	35 35	36		
25	9.044 0454	2835	9.046 7216	2870	0.953 2784	9.997 3238	35	35		
26 27	9.044 3289	2833	9.047 0086	2869	0.952 9914	9.997 3203 9.997 3168	35	34		
28	9.044 6122 9.044 8954	2832	9.047 2955 9.047 5821	2866	0.952 7045	9.997 3108	36	33 32		
29	9.045 1783	2829	9.047 8686	2865	0.952 1314	9.997 3097	35	31		
30	9.045 4611	2828	9.048 1549	2863	0.951 8451	9.997 3062	35	30		
31	9.045 7437	2826	9.048 4410	2861	0.951 5590	9.997 3027	35	29		
32	9.046 0261	2824 2822	9.048 7270	2860 2857	0.951 2730	9.997 2991	36 35	28		
33	9.046 3083	2820	9.049 0127	2856	0.950 9873	9.997 2956	35	27		
34	9.046 5903	2819	9.049 2983	2854	0.950 7017	9.997 2921	36	26 25		
35 36	9.046 8722 9.047 1538	2816	9.049 5837 9.049 8689	2852	0.950 1311	9.997 2850	35	24		
37	9.047 4353	2815	9.050 1539	2850	0.949 8461	9.997 2814	36	23		
38	9.047 7166	2813 2811	9.050 4387	2848 2847	0.949 5613	9.997 2779	35 36	22		
<u>39</u>	9.047 9977	2809	9.050 7234	2844	0.949 2766	9.997 2743	35	21		
40	9.048 2786	2808	9.051 0078	2843	0.948 9922	9.997 2708	36	20		35
41	9.048 5594	2805	9.051 2921	2841	0.948 7079	9.997 2672	35	19	I	3.2
42	9.048 8399	2804	9.051 5762 9.051 8602	2840	0.948 4238	9.997 2637 9.997 2601	36	18 17	3	7'0 10'5
43 44	9.049 1203	2802	9.051 8002	2837	0.947 8561	9.997 2566	35	16	4	14'0
45	9.049 6805	2800	9.052 4275	2836	0.947 5725	9.997 2530	36 36	15	5	17.5
46	9.049 9603	2798 2796	9.052 7109	2834 2832	0.947 2891	9.997 2494	35	14	6	21.0
47	9.050 2399	2795	9.052 9941	2830	0 0 46 #020	9.997 2459	36	13	7 8	24'5 28'0
48 49	9.050 5194 9.050 7987	2793	9.053 2771 9.053 5600	2829	0.946 7229 0.946 4400		36	12 11		31.2
50	9.051 0778	2791	9.053 8426	2826	0.946 1574	9.997 2351	36	10		- (4.)
51	9.051 3567	2789	9.053 8420	2825	0.945 8749		35			
52	9.051 3507	2787	9.054 4074	2823	0.945 5926		36	9 8		
53		2786 2783	9.054 6895	2821 2820	0.945 3105	9.997 2244	36 36	7		
54	9.052 1923	2782	9.054 9715	2818	0.945 0285		36	6		
55		2780	9.055 2533	2816	0.944 7467		35	5		
	9.052 7485 9.053 0264	2779	9.055 5349 9.055 8163	2814	0.944 4651	9.997 2137 9.997 2101	36	4		
57 58	9.053 0204	2776	9.055 0975	2812	0.944 1037		36	2		
	9.053 5815	2775	9.056 3786	2811	0042 6214		36	1		
	9.053 8588	2773	9.056 6595	2809	0.943 3405		36	0		
	Cos.	d.	Cotang.	d. c.	Tang.		d.	5.		
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.		
0	9.053 8588	2771	9.056 6595	2807	0.943 3405	9.997 1993	36	60	36
ī	9.054 1359	2771 2769	9.056 9402	2805	0.943 0598	9.997 1957	36	59	1 3.6
2	9.054 4128	2767	9.057 2207	2804	0.942 7793	9.997 1921	36	58	2 7.2
3	9.054 6895	2766	9.057 5011	2802	0.942 4989		36	57	3 10.8
4	9.054 9661	2764	9.057 7813 9.058 0613		0.942 2187	9.997 1849	36	56	4 14'4 5 18'0
5	9.055 2425 9.055 5187	2762	9.058 3411		0.941 9387	9.997 1776	37	55 54	5 18.0
7	9.055 7948	2761	9.058 6207	2790	0.941 3793	Property and a second	36	53	7 25'2
8	9.056 0706	2758	9.058 9002	2795		9.997 1704	36	52	8 28.8
9	9.056 3463	2757	9.059 1795	2793	0.940 8205	9.997 1668	36 36	51	9 32.4
10	9.056 6218	2755	9.059 4586	2791	0.940 5414	9.997 1632		50	
ΙĪ	9.056 8971	2753	9.059 7376	12790	0.940 2624	9.997 1596	36	49	
12	9.057 1723	2752 2750	9.060 0164		0.939 9836	9.997 1559	37 36	48	
13	9.057 4473	2748	9.060 2950	2784	0.939 7050	9.997 1523	36	47	
4	9.057 7221	2746	9.060 5734	2782	0.939 4266	9.997 1487	37	46	
! <u>5</u>	9.057 9967	2744	9.060 8517	2780	0.939 1483	9.997 1450	36	45	
	9.058 2711 9.058 5454	2743	9.061 1297 9.061 4076	2779	0.938 8703	9.997 1414 9.997 1378	36	44	
	9.058 8195	2741	9.061 6854	2770	0.938 3146	9.997 1341	37	42	
19	9.059 0934	2739	9.061 9629	2//3	0.938 0371	9.997 1305	36	41	
20	9.059 3672	2738	9.062 2403	2774	0.937 7597	9.997 1268	37	40	
	9.059 6408	2736	9.062 5176	2773	0.937 4824	9.997 1232	36	39	
22	9.059 9142	2734	9.062 7946	2770	0.937 2054	9.997 1196	36	38	
23	9.060 1874	2732	9.063 0715	2709	0.936 9285	9.997 1159	37	37	
24	9.060 4604	2730 2729	9.063 3482		0.936 6518	9.997 1122	37 36	36	
25	9.060 7333	2727	9.063 6247	2764		9.997 1086	37	35	37
26	9.061 0060	2725	9.063 9011	2762		9.997 1049	36	34	1 3.7
27 28	9.061 2785 9.061 5509	2724	9.064 1773 9.064 4533	2700	0.935 8227	9.997 1013	37	33	2 7.4
29	9.061 8231	2722	9.064 7291	2/50	0.935 2709	9.997 0939	37	31	3 11'1
<u>-</u> 30	9.062 0951	2720	2065 0048	12757	0.934 9952	9.997 0903	36	30	5 18'5
31	9.062 3669	2718	9.065 2803		0.934 7197	9.997 0866	37	29	6 22.2
32	9.062 6386	2717	9.065 5556	2/33	0.034 4444	9.997 0829	37	28	7 25'9
	9.062 9101	2715	9.065 8308	2/52	0.934 1692		36	27	8 29.6
34	9.063 1814	2713	9.066 1058	2/30	0.933 8942	9.997 0756	37	26	9 33.3
35	9.063 4525	2711 2710	9.066 3806		0.933 6194	9.997 0719	37	25	
	9.063 7235	2708	9.066 6553	2745	0.933 3447	9.997 0682	37	24	
37 38	9.063 9943 9.064 2 650	2707	19.000 9298	2742	0.933 0702	9.997 0645	36	23	
39	9.064 5354	2704	9.067 2041 9.067 4782		0.932 7959 0.932 5218	9.997 0609	37	21	
40	9.064 8057	2703	9.067 7522	2740	0.022 2478	9.997 0535	37	20	
41	9.065 0758	2701	9.068 0260				37	19	
42	9.065 3458	2700	9.068 2997		0.931 9740	9.997 0498	37	18	
43	9.065 6156	2698	9.068 5732	2735	0.931 4268	9.997 0424	37	17	
44	9.065 8852	2696 2694	9.068 846	2733	0.931 1535	9.997 0387	37	16	
45	9.066 1546	2693	9.069 1196	2730	0.930 8804	9.997 0350	37 37	15	
46	9.066 4239	2691	9.069 3926	2728	0.930 6074	9.997 0313	37	14	
47 48	9.066 6930 9.066 9619	2689	19.009 0054	2727	0.930 3340	9.997 0276	37	13	
49	9.067 2307	2688	9.009 9301	2724		9.997 0239 9.997 0202	37	11	
50	9.067 4993	2686	0.070 4826			9.997 0165	37	10	38
51	9.067 7677	2684		2/21			38	-	1 3.8
	9.007 7077	2683		12/20	0 4 a 0 a mag	9.997 0090	37	8	2 7.6
- ;	9.068 3041	2681	0.00	2/10	0.028 2012	9.997 0053	37		3 11'4
	9.068 5720	2679	LA OFT FROM	2/10	0.028 4206	9.997 0016	37	7 6	4 15'2
;	9.068 8398	2678 2676	077 8410	12/13	0.928 1581	9.996 9978	38	5	5 19'0
	9.069 1074	2674	9.072 1133	2711	0.927 8867	9.996 9941	37 37	4	
١,	9.069 3748	2673	9.072 3844	2710	0.927 6156	9.996 9904	37	3	7 26.6 8 30.4
\	9.069 6421	2670	9.072 0554	2708	0.927 3440	9.996 9867	38	2 1	8 30'4 9 34'2
	9.069 9091	2670	9.072 920	2707	0.927 0730	9.996 9829	37	-	9154-
	9.070 1761		19.073 1909	11	10.920 6031	9.996 9792		0	
٠.	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.	
			5	h 33 '	11				

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S.	Sin.		d.	Tat	ng.	d. c.	Cota	ing.	Co	5.	d.		
0	9.070 1	761	2667	9.073	1969	2705	0.926	8031	9.996	9792	_ 0	60	
ī	9.070 4	428	2666	9.073	4674	2705	0.926	5326	9.996		38	59	
2	9.070 7		2664	9.073		2703			9.996		37	58	
3	9.070 9	758	2663	9.074		2702	0.925		9.996		37	57	
4	9.071 2	421	2661	9.074	2779	2700 2698	0.925	7221	9.996		38	56	
5	9.071 5	082	2659	9.074		2697	0.925	4523	9.996	9605	37	55	
6	9.071 7	741	2658	9.074	8174	2695	0.925	1826	9.996	9567	38	54	
7	9.072 0		2656	9.075		2694	0.924		9.996	9530	37	53	
8	9.072 3		2654	9.075		2692	0.924	6437	9.996	9492	38	52	
9	9.072 5	709	2653	9.075		2690	0.924	3745	9.996	9455	37	51	
О	9.072 8	362	2651	9.075	8945		0.924	1055	9.996	9417	38	50	37
11	9.073 I	013		9.076	1634	2689	0.923		9.996	9379	38	49	1 3.7
2	9.073 3	663	2650	9.076		2687			9.996		37	48	2 7.4
13	9.073 6	310	2647 2647	9.076		2685	0.923				38	47	3 11.1
14	9.073 8	957	2644	9.076	9690	2684 2683			9.996		38	46	4 14.8
5	9.074 1	601	2643	9.077	2373	2680			9.996		37	45	5 18.5
6	9.074 4		2641	9.077	5053	2679	0.922	4947	9.996	9191	38	44	6 22.2
7	9.074 6		2640	9.077		2678	0.922	2268	9.996	9153	38	43	7 25.9
18	9.074 9		2638	9.078		2675	0.921	9590	9 .9 96	9115	38 38	42	8 29.6
9	9.075 2	163	2636	9.078	3085	2675	0.921	6915	9.996	9077		41	9 33.3
20	9.075 4	799		9.078	5760		0.921	4240	9.996	9040	37	40	
2 1	9.075 7		2635	9.078		2672	0.921		9.996		38	39	1
22	9.076 0		2633	9.079		2671			9.996		38	38	ł .
23	9.076 2		2632	0.070		2670	0.920				38	37	
24	9.076 5		2630	9.079		2668			9.996		38	36	
25	9.076 7		2628 2627	9.079		2666	0.920	0893	9.996	8850	38	35	
26	9.077 0	584	2625	9.080	1771	2664	0.919	8229	9.996	8812	38	34	
27	9.077 3	209	2623	9.080	4434	2663 2662			9.996	8774	38	33	
28	9.077 5		2622	9.080		2660	0.919	-	9.996	8736	38	32	
29	9.077 8	454	2620	9.080	9756		0.919	0244		8698	38	31	
30	9.078 1	074		9.081	2414	2658	0.918	7586	9.996		38	30	
31		7	2619	9.081		2657	0.918				38	29	
32	9.078 6		2617	9.081		2655	0.018	2274	9.996		38	28	
33	9.078 8		2615	9.082		2654			9.996		38	27	
34	9.079 1	1	2614	9.082		2652			9.996		39	26	
35	9.079 4	151	2612 2611	9.082		2650			9.996		38	25	1
36	9.079 6	762	2609	9.082		2649			9.996		38	24	
37	9.079 9	37 I	2608	9.083	0978	2647			9.996		38	23	
38	9.080 I		2605	9.083	3624	2646			9.996		38	22	
39	9.080 4	584	2605	9.083	6268	2644	0.916	3732	9.996	8316	39	21	
ţΟ	9.080 7	189		9.083	8911	2643	0.916				38	20	38
11	9.080 9		2602	9.084		2641	0.915		9.996		38	_	
2	9.081 2		2602	9.084		2639			9.996		39	19 18	1 3.8 2 7.6
13	9.081 4	000	2599	9.084		2638	0.915		9.996		38	17	
4	9.081 7		2598	9.084		2637			9.996		38	16	• • • • • • • • • • • • • • • • • • •
	9.082 O		2597	9.085		2634			9.996		39	15	4 15.5 5 19.0
6۱	9.082 2	781	2594	9.085		2634			9.996		38	14	6 22.8
17	9.082 5		2594	9.085	7365	2031			9.996		39	13	1
	9.082 7	966	2591	9.085	9996	2631 2628			9.996		38	12	8 30.4
19	9.083 0	220	2590	9.086	2624				9.996		39	11	9 34.2
0	9.083 3	145	2589	9.086		2627	0.913				38	10	I
	9.083 5		2587	De		2626			9.996		39	9	
2	9.083 8	2.11	2585	.0 -		2624			9.996		38	8	
	9.084 0	001	2584	9.087		2622	0.012	6877	9.996	7778	39		
	9.084 3	484	2583	0.082		2621			9.996		39	7 6	
55	9.084 6	064	2580	9.087		2620	0.912	1636	9.996	7701	38	5	
6	9.084 8	6.01	2579	9.088	0981	2617	0.911	9010	9.996	7662	39	4	
57	9.085 1	22 I	2578	9.088	3598	2617			9.996		39	3	
;8	9.085 3	797	2576	9.088	6213	2615			9.996		38	2	
9	9.085 6		2575	9.088	8826	2613			9.996		39	1	
	9.085 8		2573	9.089	1438	2612			9.996		39	-0	l
_			d.	Cota		d. c.	Tai		Si		d.	5.	
	Cos.	- 1	14.	COL									

			04	28"	ı				-				
s.	Sin.	d.	Tang.	d. c.	Cot	ing.	Co	s.	d.				
_0	9.085 8945	2571	9.089 1438	2610	0.910	8562	9.996	7507	,,	60	Ī		
I	9.086 1516	2570	9.089 4048	2609	0.910		9.996	7468	39	59	1		
2 3	9.086 4086 9.086 6654	2568	9.089 6657	2607	0.910		9.996	7429	39 38	58			
4	9.086 9221	2567	9.089 9264 9.090 1869	2605	0.909		9.996 9.996	7391 7352	39	57 56			
5	9.087 1786	2565 2564	9.090 4474	2605 2602	0.909		9.996	7313	39	55			
6	9.087 4350	2562	9.090 7076	2601	0.909	2924	9.996	7274	39	54			
7 8	9.087 6912 9.087 9473	2561	9.090 9677 9.091 227 7	2600		0323		7235	39 39	53			
9	9.088 2032	2559	9.091 4875	2598	0.908	7723 5125	9.996 9.996	7196 7157	39	52			
10	9.088 4590	2558	9.091 7472	2597	0.908		9.996	7118	39	51			16
11	9.088 7146	2556	9.092 0067	2595	0.907		9.996	7079	39	50			39
12	9.088 9700	2554 2553	9.092 2660	2593	0.907			7040	39	49 48	İ	2	3 [.] 9 7 [.] 8
13	9.089 2253	2552	9.092 5252	2592 2591			9.996	7001	39	47	i	- 1	11.7
14 15	9.089 4805 9.089 7355	2550	9.092 7843 9.093 0432	2589	0.907		9.996		39 39	46		- 1	15.6
16	9.089 9903	2548	9.093 3020	2588	0.906		9.996 9.996	6884	39	45			19.2
17	9.090 2450	2547 2546	9.093 5606	2586	0.906	4394	9.996	6844	40	44			23 [.] 4 27 [.] 3
18	9.090 4996	2544	9.093 8190	2584 2584	0.906	1810	9.996	6805	39	42	l		31.5
19 20	9.090 7540 9.091 0082	2542	9.094 0774	2581		9226			39 39	41		91.	3 5.1
21	9.091 2623	2541	9.094 3355	2580	0.905	6645	9.996		39	40	l		
22	9.091 5162	2539	9.094 5935 9.094 8514	2579	0.905	4065 1486		6688	40	39	l		
23	9.091 7700	2538	9.095 1091	2577			9.996 9.996		39	38 37			
24	9.092 0237	2537 2534	9.095 3667	2576	0.904	6333	9.996		39	36			
25 26	9.092 2771	2534	9.095 6241	2574 2573			9.996		40 39	35			
27	9.092 7837	2532	9.095 8814 9.096 1385	2571	0.904		9.996 9.996		39	34	İ		
28	9.093 0367	2530	9.096 3955	2570	0.903	6045	9.996		40	33 32			
29	9.093 2896	2529 2527	9.096 6523	2568 2567	0.903		9.996		39	31			
30	9.093 5423	2526	9.096 9090	2565	0.903	0910	9.996	6333	40	30			
31	9.093 7949	2525	9.097 1655	2564	0.902		9.996		39	29			
32 33	9.094 0474 9.094 2996	2522	9.097 4219 9.097 6782	2563		5781			40 39	28			
34	9.094 5518	2522	9.097 9343	2561	0.902	3218	9.996 9.996		40	27 26	ŀ		
35	9.094 8038	2520 2518	9.098 1902	2559			9.996		39	25			
36	9.095 0556	2517	9.098 4460	2558 2557	0.901	5540	9.996		40	24			
37 38	9.095 30 7 3 9.095 5589	2516	9.098 7017 9.098 9 572	2555		2983		6056	40 39	23			
39	9.095 8103	2514	9.090 9372	2554	0.900		9.996 9.996	5977	40	22 21			
40	9.096 0615	2512	9.099 4678	2552	0.900		9.996	5937	40	20	ŀ		ţo
41	9.096 3126	2511	9.099 7229	2551	0.900		9.996	5898	39	19		1	4.0
42	9.096 5636	2510 2508	9.099 9778	2549	0.900	0222	9.996	5858	40	18	l	2	8·0
43	9.096 8144 9.097 0651	2507	9.100 2326	2548 2546			9.996	5818	40	17	•	3	12.0
44 45	9.097 3156	2505	9.100 4872 9.100 7417	2545		5128			40	16		- 1	16.0
46	9.097 5659	2503	0.100 0061	2544	0.899	0030	9.996 9.996	5738 5699	39	15 14		21	20'0 24'0
47	9.097 8162	2503 2500	9.101 2503	2542 2541	0.898	7497	9.990	5659	40	13	I	7	28°0
48 49	9.098 0662 9.098 3162	2500	9.101 5044	2539	0.898	4956	9.996	5619	40 40	12	1	8	32.0
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<u>50</u> 51	9.098 8156	2496	9.102 0121	2536	0.897		9.996		40	10			
52	9.099 0651	2495	9.102 2657 9.102 5192	2535	0.897	7343	9.996 9.996	5499	40	9	1		
153	9.099 3144	2493	9.102 7725	2533	0.897	2275	9.996	5410	40	7			
	9.099 5636	2492 2491	9.103 0257	2532 2531	0.896	9743	9.996	5379	40	6			
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58	9.100 5590	2486 2485	9.104 0371	2526	0.895	9620	9.996	5210	40	3			
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53 9.114 0151 2408 9.117 7175 2449 0.882 0376 0.006 2935 41 6	
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0	9.115 6977	2208	9.119	4291	2440	0.880	5709	9.996	2686		60		2430	2420	2410
I	9.115 9375	2398 2397	9.119	6731	2440	0.880	3269	9.996	2644	42	59	1	243	242	241
2	9.116 1772	2395	9.119		2438 2438	-		9.996		42 41	58	2	486	484	482
3	9.116 4167	2395	9.120	•	2436			9.996		42	57	3	729	726	723
-	9.116 6562	2393	9.120		2434			9.996		42	56	4	972	968	964
5	9.116 8955 9.117 1346	2391	9.120 9.120		2433	0.879		9.996		41	55	5	1458	1210	1205
7	9.117 3736	2390	9.121	-	2432	0.878		9.996	-	42	54 53	7	1701	1694	1687
8	9.117 6125	2389	9.121		2431	0.878	-	9.996		42	52	8	1944	1936	1928
9	9.117 8513	2388	9.121		2429	0.878	3798	9.996		42	51	9	2187		2169
10	9.118 0899	2386	9.121	8630	2428	0.878	1370	9.996	2269	41	50				
11	9.118 3284	2385	9.122		2427	0.877		9.996		42	49				
12	9.118 5667	2383 2383	9.122	3482	2425			9.996	2185	42	48	_	2400	2390	_
13		2381	9.122	- -	2425 2422	0.877		9.996		42	47	1	240	239	238
	9.119 0431	2379	9.122		2422	0.877		9.996		42	46	2	480	478	476
15	9.119 2810	2378	9.123		2420			9.996		42	45	3	720	717	714
17	9.119 5188 9.119 7565	2377	9.123 9.123	-	2419			9.996		42	44	4 5	960	956	952
18		2376	9.123	A	2417			9.996		42	43	5	1440	1434	1428
19	9.120 2315	2374	9.124		2417		9576	9.996		42	41	7	1680	1673	1666
20	9.120 4688	2373	9.124		2415	0.875	7161	9.996	1849	42	40	8	1920	1912	1904
21	9.120 7060	2372	9.124		2413		4748	9.996		42	39	9	2160	2151	2142
22	9.120 9430	2370	9.124		2413			9.996	1765	42	38				
23	9.121 1799	2369 2368	9.125		2411			9.996		42	37			1	
24	9.121 4167	2366	9.125		2410 2408			9.996		42	36	_	2370	-	_
25	9.121 6533	2365	9.125		2407			9.996		42	35	1	237	236	235
	9.121 8898	2364	9.125		2406			9.996		43	34	2	474	472	470
27 28	9.122 1262 9.122 3624	2362	9.125 9.126		2405	0.874		9.996	1512	42	33	3 4	948	708	705
29	9.122 5985	2361	9.126		2403	0.873	5485	9.996		42	32 31		1185	1180	1175
30	9.122 8345	2360	9.126		2402	0.873	3083	9.996		42	30	5	1422	1416	1410
		2359			2401		0682	9.996	1385	43	-	7	1659	1652	1645
31 32	9.123 0704 9.123 3061	2357	9.127	9318	2400	0.873	-		-	42	29 28	8	1896	1888	
33		2356	9.127		2398	0.872				42	27	9	2133	2124	2115
		2354	9.127		2397			9.996		43	26				
35	9.124 0125	2354	9.127		2396 2394		1091	9.996		42	25	1	2210	1 0000	1 2220
-	9.124 2477	2350	9.128		2393	-	-	9.996		43	24	-	2340	2330	2320
37 38	-	2350	9.128 9.128		2392	0.871				42	23	1 2	234 468	233 466	232 464
39	9.124 7177 9.124 9525	2348	9.128		2391	0.871	-	9.996		43	21	3	702	699	696
40	9.125 1872	2347	9.129		2389	0.870		-	_	42	20	4	936	932	928
		2345			2388	0.870		9.996 9.996		43	_	5	1170	1165	1160
41 42	9.125 4217 9.125 6562	2345	9.129 9.129		2387	0.870		9.996		42	19		1404	1398	1392
43	9.125 8905	2343	9.129		2386	0.870		9.996		43	17	7	1638	1631	1624
	9.126 1246	2341	9.130		2384	0.869				42	16	8	1872	1864	1856
	9.126 3587	2341	9.130		2383 2382	0.869	7204	9.996		43	15	9	2100	209/	2000
-	9.126 5926		9.130	5178	2380	0.869	4822	9.996	0748	43	14				
47 48	9.126 8264 9.127 0600			7558	2379	0.869	2442	9.996 9.996	0700	43	13				
40 49	9.127 2936	2336	0.131	7731	2378			9.996		43	12				
	9.127 5269	2333	9.131	-3-3	2377	0.868				43	-		1 .	2	13
50	9.127 7602	2333			2376					42	01	-			43
5 I	9.127 7002 9.127 9934	2332	9.131 9.131		2374	0.868	0558	9.996 9.996	0402	43	98			3.4	4·3 8·6
	9.127 9934	2330	0.122	1815	2373	0.867	8185	9.996	0440	43	7				12'9
	9.128 4593	2329	9.132	4186	2371			9.996		43	6	4	16		7.2
i	9.128 6920	2327	9.132	6557	2371 2369	0.867	3443	9.996	0363	43	5		21	1.0	21.2
1	9.128 9247	2327	9.132	8926	2368			9.996		42	4	(25		25.8
	9.129 1572	2324	9.133	1294	2367			9.996		43	3	2	20		30.1
i	9.129 3896	2322	9.133	3001	2365			9.996		43	2			3.6	34.4
!	9.129 6218	2321	9.133	0020	2365			9.996		43	_	9	1 5	7.8 3	, ,
.,	9.129 8539		-	8391		-		9.996			0				
	Cos.	d.	Cota		d. c.	Tar	ng.	Si	n.	d.	S.				
				5	29 ⁿ	n									
							_					_			_

			0,	31"								
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.129 8539	2320	9.133 8391	2363	0.866 1609	9.996 0149	42	60		2360	2350	2340
1	9.130 0859	2319	9.134 0754	2361	0.865 9246		43	59	1	236	235	234
2	9.130 3178	2318	9.134 3115	2361	0.865 6885		142	58	2	472	470	468
3	9.130 5496 9.130 7812	2316	9.134 5476	2359	0.805 4524	9.996 0020 9.995 9977	43	57	3	708	705	702
5	9.130 7012	2315	9.134 7835 9.135 0193	2358	0.864 9807		43	56 55	5	944 1180	940	936
6	9.131 2441	2314	9.135 2550	2357	0.864 7450		43	54	6	1416	1410	1404
7	9.131 4753	2312	9.135 4906	2356	0.864 5094	9.995 9847	44	5 3	7	1652	1645	1638
8	9.131 7064	2310	9.135 7260	2354 2353	0.864 2740		43	52	8	1888	1880	1872
9	9.131 9374	2309	9.135 9613	2352	0.864 0387	9.995 9761	43	51	91	2124	2115	2106
10	9.132 1683	2308	9.136 1965	2351	0.863 8035	9.995 9718	43	50				
1 I I 2	9.132 3991	2306	9.136 4316	2349	0.863 5684	9.995 9675	44	49	l	2330	2320	2310
13	9.132 6297 9.132 8602	2305	9.136 6665 9.136 9014	2349	0.863 3335 0.863 0986	9.995 9631 9.995 9588	43	48 47		233	232	231
14	9.132 0906	2304	9.137 1361	2347	0.862 8639	9.995 9545	43	46	2	466	464	462
15	9.133 3208	2302 2301	9.137 3707	2346	0.862 6293	9.995 9501	44	45	3	699	696	693
16	9.133 5509	2300	9.137 6051	2344 2344	0.862 3949	9.995 9458	43	44	4	932	928	924
17 18	9.133 7809	2299	9.137 8395	2342	0.862 1605	9.995 9415	44	43	5	1165	1160	1155
19	9.134 0108 9.134 2406	2298	9.138 0737 9.138 3078	2341	0.861 9263	9.995 9371 9.995 9328	43	42 4 I	6 7	1398	1392	1386
20		2296	9.138 5417	2339	0.861 4583		44	41	8	1864	1856	1848
2 I	9.134 4702 9.134 6997	2,295	9.138 7756	2339			43	40	9	2097		
22	9.134 0997	2294	9.139 0093	2337	0.861 2244	9.995 9241 9.995 9198	43	39 38				
23	9.135 1583	2292	9.139 2429	2336	0.860 7571	9.995 9154	44	37	l .			
24	9.135 3875	2292 2290	9.139 4764	2335 2334	0.860 5236	9.995 9111	44	36		2300	2290	2280
25	9.135 6165	2289	9.139 7098	2334	0.860 2902			35	I	230	229	228
26 27	9.135 8454 9.136 074 1	2287	9.139 9430	2332	0.860 0570		1 2	34	2	460	458	456
28	9.136 3028	2287	9.140 1762 9.140 4092	2330	0.859 8238		44	33 32	3	690 920	687	684
29	9.136 5313	2285	9.140 6420	2328	0.859 3580			31	5	1150	1145	1140
30	9.136 7597	2284	9.140 8748	2328	0.859 1252		43	30	6	1380	1374	1 368
31	9.136 9880	2283	9.141 1075	2327	0.858 8925		44	29	7	1610	1603	1596
32	9.137 2161	2281 2280	9.141 3400	2325	0 858 6600		44	28	8	1840	1832	1824
33	9.137 4441	2280	9.141 5724	2324	0.050 4270	1	1 4 4	27	9	2070	2061	2052
34	9.137 6721 9.137 8998	2277	9.141 8047	2321	0.858 1953		144	26				
35 36	9.137 8998 9.138 1275	2277	9.142 0368 9.142 2 689	2321	0.857 9632 0.857 7311		144	25 24		2270	2260	2250
37	9.138 3551	2276	9.142 5008	2319	0		44	23	1	227	226	225
38	9.138 5825	2274 2273	9.142 7326	2318	0.857 2674		43	22	2	454	452	450
39	9.138 8098	2272	9.142 9643	2316	0.857 0357	9.995 8455	44	21	3	681	678	675
40	9.139 0370	2270	9.143 1959	2314	0.856 8041	9.995 8411	44	20	4	908	904	900
41	9.139 2640	2270	9.143 4273	2314	0.856 5727		44	19	5	1135	1130	1125
42	9.139 4910	2268	9.143 6587	2312		9.995 8323	144	18	7	1589	1582	1575
43 44	9.139 7178 9.139 9445	2267	9.143 8899 9.144 1210	2311	0.856 1101	9.995 8279	44	17 16	8	1816	1808	1800
45	9.140 1710	2265		12310	0.855 6480	9.995 8235	44	15	9	2043	2034	2025
46	9.140 3975	2265 2263	9.144 5828	2300	0.855 4172	9.995 8147	44	14				
47	9.140 6238	2263	9.144 0130	2308 2306	0.855 1864	9.995 8103	44	143				
48	9.140 8501	2260	9.145 0442	2305	0.034 9330	9.995 8059	44	12				
<u>49</u>	9.141 0761	2260	9.145 2747	2304	0.854 7253		45	11		1		
50	9.141 3021	2259	9.145 5051	2302	0.054 4949		44	10	۱ –	_ 4		44
51 52	9.141 5280 9.141 7537	2257	9.145 7353	2302	0.854 2047	9.995 7926		9 8			1.3	4 [.] 4 8·8
53	9.141 7537	2256	9.145 9655 9.146 1955	2300	0 852 804E	9.995 7882 9.995 7838	1 4 4	7		ı	3·6 3·6	8'8 13'2
54	9.142 2048	2255	9.146 4255	2300	O SES FRAF	9.995 7794	44	6		-		7.6
55	9.142 4302	2254 2253	9.146 6553	2298 2296	0.853 3447	9.995 7749	45	5		5 21	1.2	2'0
	9.142 6555	2251	9.146 8849	2296	0.853 1151	9.995 7705	44	4	•	5 25	; 8 2	6.4
57	9.142 8806	2250	9.147 1145	2295	10.052 0055		45	3	3	~ ! -		0.8
58 59	9.143 1056 9.143 3305	2249	9.147 3440 9.147 5733	2293	0.852 4267	9.995 7616	44	2 I				5.5
60	9.143 5553	2248	9.147 8025	2292	0.852 4207		امما	-	۱ ۶	9 38	3°7 3	9.6
-	Cos.	d.	Cotang.	d. c.	Tang.	9.995 /528 Sin.	d.	-				
	003.	٠	S			SIII.	u.	13.				
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			0	h 32"	n							
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.143 5553	2247	9.147 8025	2201	0.852 1975	9.995 7528	145	60	l	2290	2280	2270
1	9.143 7800	2247	9.148 0316	2291	0.851 9684		45	59	1	229	228	227
2	9.144 0045	2244	9.148 2606	2289	0.851 7394	9.995 7439	AE	58	2	458	456	454
	9.144 2289	2243	9.148 4895	1000	0.851 5105	9.995 7394	٠١	57	3	687	684	681
4	9.144 4532	2242	9.148 7182 9.148 9469	220/	0.851 2818	9.995 7359 9.995 7306	44	56 55	4	916	912	908
6	9.144 6774 9.144 9015	224 I	9.149 1754	2285	0.850 8246	9.995 7261	43	54	5	1145	1368	1135
7	9.145 1255	2240	9.149 4038	2204	0.850 5962	9.995 7216	143	53	7	1603	1596	1589
8	9.145 3493	2238 2237	9.149 6321	2282	0.850 3679	9.995 7172	44	52	8	1832	1824	1816
9	9.145 5730	2236	9.149 8603	2081	0.850 1397			51	9	2061	2052	2043
10	9.145 7966	2235	9.150 0884	2279	0.849 9116		Н	50				
11	9.146 0201	2234	9.150 3163	2278	0.849 6837	9.995 7038	45 45	49	l.			
12	9.146 2435	2232	9.150 5441	2278	0.849 4559		144	48		2260	- 	-
13	9.146 4667	2232	9.150 7719	2276	0.849 2281		1 4 5	47	I	226	225	1 4
14 15	9.146 6899 9.146 9129	2230	9.150 9995 9.151 2269		0.848 7731	9.995 6904	1/1/5	46	2	452 678	450 675	672
16	9.147 1358	2229	9.151 4543	22/4	0.848 5457	9.995 6859	44	45 44	3	904	900	1 ~ -
17	9.147 3586	2228 2226	9.151 6816	22/3	0.848 3184		145	43	5	1130	1125	
18	9.147 5812	2220	9.151 9087	22/1	0.848 0913	9.995 6725	143	42	6	1356	1350	
19	9.147 8038	2224	9.152 1358		0.847 8642	9.995 6680	. 4 5	41	7	1582	1575	1568
20	9.148 0262	2223	9.152 3627	2268	0.847 6373		45	40	8	1808	1800	
21	9.148 2485	2223	9.152 5895	006-	0.847 4105		45	39	9	2034	2025	2016
22	9.148 4707	2221	9.152 8162	2266	0.847 1838	9.995 6546		38				
23	9.148 6928	2220	9.153 0428	2264	0.840 9572		145	37		2230	2220	2210
24 25	9.148 9148 9.149 1366	2218	9.153 2692 9.153 4956	2264	0.846 7308		45	36 35	<u> </u>	223	222	221
26	9.149 3584	2218	9.153 7218	2202	0.846 2782		45	34	2	446	444	
27	9.149 5800	2216	9.153 9479		0 846 0521		45	33	3	669		
28	9.149 8015	2215	9.154 1739	12200	0 84E 826E		145	32	4	892	888	
29	9.150 0229	2213	9.154 3998	2258	0.045 0002	9.995 6231	45	31	5	1115	1110	
30	9.150 2442	2211	9.154 6256	0055	0.845 3744		45	30	6	1338	1332	
31	9.150 4653	2211	9.154 851	2256	0.845 1487		45	29	7	1561	1554	
32	9.150 6864	2209	9.155 0769	1 2054	0.044 9231		145	120	9		1	1 -
33	9.150 9073	2208	9.155 3023	2253	10.044 0077	9.995 6050	1/45	27 26	1	•	. ,,	
34 35	9.151 1281 9.151 3489	2208	9.155 5 2 70	14433	0844 2471	9.995 6005		25	ľ			
36	9.151 5694	2205	9.155 9780	12231	0.844 0220	9.995 591	145	24		2200	2190	2180
37	9.151 7899	2205 2204	9.156 2030		0 842 7070	9.995 5869	140	23	1	220	219	218
38	9.152 0103	2202	9.156 4279	2247	0.043 3/21	9.995 5824	45	22	2	440	438	1 2-
39	9.152 2305	2202	9.156 6526	2247	0.843 3474		45	21	3	660 880	1	654
40	9.152 4507	2200	9.156 8773	2246	0.843 1227		1/46	20	4 5	1100	1095	
41	9.152 6707	2199	9.157 1019	2244	0.842 8981		ارداد	119	6	1320	1314	
42	9.152 8906	2198	9.157 3263 9.157 5506	10040		9.995 5643	146	18	7	1540	1533	
43 44	9.153 1104 9.153 3301	2197	9.157 7748	2242	0.842 2252	9.995 5597 9.995 5552	145	17	8	1760	1752	
45	9.153 5496	2195	0.157 0000	1	0.842 0010	9.995 5507	142	15	9	1980	1 1971	1962
46	0.153 7691	2195	9.158 2230	2240	0.841 7770	9.995 5461						
47	9.153 9884	2192	9.158 4468	2228	0.841 5532	9.995 5416	16	13				
48	9.154 2076	2191	9.158 0700	22.25	0.041 3294	9.995 5379	45	1.2				
49	9.154 4267	2190	9.158 8943	2225	0.841 1057	9.995 5325	46			Ť.	- 1	.6
50	9.154 6457	2189	9.159 1170	2235	0.840 8822	9.995 5279	45	10	=		5	46
51	9.154 8646	2188		2222	0.840 6587	9.995 5234	16	8			4.2	4.6 9.5
53	9.155 0834 9.155 3021	2187	9.159 5040	2232	0.840 4354	9.995 5188	46	7			3.2	13.8
	9.155 5206	2185	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2232	0.830 0800	9.995 5097	43	7 6				18.4
55	9.155 7391	2185	6	2230	0.839 7660	9.995 5051	46	5			100 miles	23.0
56	9.155 9574	2183	9.160 4569	2229	0.839 5431	9.995 5005	45	4	-	6 2	7.0	27.6
57	9.156 1756	2181	9.160 6796	2227	0.839 3204	9.995 4960	43	3		7 3	1.2	32.2
	9.156 3937	2180	9.100 9023	10006	0.839 0977	9.995 4914	16	2				36.8
	9.156 6117	2179	9.101 1249	2224	0.838 8751	9.995 4868	146			9 40	0.2	41'4
60	9.156 8296	-	9.161 3473		0.030 0527			0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.				
			5	27	n			1				
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S.	Sin		d.	Tai	ng.	d. c.	Cotan	g.	Co	s.	d.					- 19
0	9.156	8296	27.77	9.161	3473	2224	0.838 6	527	9.995	4822		60				
ī	9.157	0473	2177 2177	9.161		2224	0.838 4	303	9.995	4777	45	59	٠,		1	
2	9.157		2175	9.161		2221	0.838 2	180	9.995	4731	46	58		2220	2210	2200
3	9.157		2175	9.162		222 I	0.837 9				46	57	1	222	221	220
4	9.157 9.157		2173	9.162 9.162		2219	0.837 7 0.837 5	1420	9.995	4039	46	56	3	444 666	442 663	440 660
5	9.158		2172	9.162		2218	0.837 3	202	9.995	4547	46	55 54	4	888	884	880
7	9.158	3516	2171	9.162		2217 2216	0.837 0	985	9.995	4501	46 46	53	5	1110	1105	1100
8	9.158		2169	9.163	1231	2214	0.836 8	3769	9.995	4455	46	52	6	1332	1326	1320
9	9.158		2167	9.163		2214	0.836 6	555			46	<u>51</u>	7 8	1554	1547	1540
10	9.159		2167	9.163		2213	0.836 4		9.995	4363	46	<u>50</u>	9	1776	1768 1989	1760
11	9.159		2165	9.163		2211	0.836 2		9.995	4317	46	49	71	- 77-	- 7-7	1 . 900
12	9.159 <i>(</i>		2165	9.164 9.164		2211	0.835 9 0.835 7	706	9.995		46	48 47				
14			2163	0 164		2209	0.835 5	497	9.995	4179	46	46				
15	9.160		2162 2161	9.164		2208 2208	0.835 3	289	9.995	4133	46	45				
16			2160	9.164		2206	0.835 1	1801	9.995	4087	46 46	44	_	2190	2180	
17	9.160		2159	9.105		2205	0.834 8	875	9.995		47	43	1	219	218	217
18	9.160 9.160		2158	9.165 9.165		2204	0.834 6			3994 3948	46	42 41	3	438 657	436 654	434 651
20	9.161		2157	9.165		2203		263	9.995		46	_	4	876	872	868
21	9.161		2155	9.165		2202	0.834		9.995	3902 3856	46	40 20	5	1095	1090	1085
22			2155	9.166		2200	0.833 7			3809	47	39 38	6	1314	1308	1302
23	9.161		2153	9.166	4339	2200 2199	0.833 5	;66 i	9.995	3763	46 46	37	7 8	1533	1526	1519
24			2152	9.166	6538	2199	0.833 3	3462	9.995	3717	47	36	9	1752	1744 1962	1736
25	9.162		2150	9.100		2197	0.833 1	265	9.995		46	35	71	-9/-		1-933
26 27	9.162 9.162	:	2149	9.167 9.167		2195	0.832 g 0.832 6	872	9.995	3624 3577	47	34				
28		1	2148	9.167		2195	0.832 4	1678	9.995	3531	46	33 32				
29	1 -		2147	9.167		2193	0.832 2	485	9.995	3485	46	31		_		
30	9.163	3146	2146	9.167		2193	0.832		9.995		47	30		2160		
31	9.163	5290	2144 2144	9.168		2191	0.831 8		9.995	3392	46	29	I	216	215	214
32			2144	9.168	4089	2190	0.831 5			3345	47 47	28	3	432 648	430 645	428 642
33	9.163		2142	9.168	6278	2188	0.831 3	3722	9.995	3298	46	27	4	864	860	856
34	9.164 9.164		2140	9.168 9.169		2187	0.831 1	534	9.995	3252	47	26 25	5	1080	1075	1070
35 36	9.164		2140	~ *6~		2186	0.830 7	161	9.995	3159	46	25 24	6	1296	1290	1284
37	9.164		2138 2137	9.169		2185 2184	0.830 4	1976	9.995	3112	47	23	7 8	1512	1505	1498
38	9.165		2136	9.169		2183	0.830 2	792	9.995	3065	47 46	22	9	1944	1720	1712
39			2135	9.169		2181	0.830		9.995	3019	47	21	7 1	- 544	- 755	1 - 3
40	9.165	_	2134	9.170		2181	0.829 8		9.995	2972	47	20				
41	9.165		2133	9.170		2180	0.829 6				47	19				
42	9.165 9.166		2132	9.170 9.170	5933	2178	0.829 4 0.829 I	880	9.995	2878 2832	46	18 17				
43 44	9.166		2131	0.171		2178	0.828 9	711	9.995	2785	47	16				
45	9.166	5203	2129	9.171		2176	0.828 7	535	9.995	2738	47	15				
46	9.166	7332	2129 2127	9.171	4641	2176 2174	0.828 5	359	9.995	2691	47	14				
47	9.166	9459	2127	19.1/1	6815	2174	0.828 3	185	9.995		47 47	13	_	_ _4		47
48	9.167 9.167	2711	2125	9.171 9.172	1161	2172	0.828 I 0.827 8	820	9.995 9.995	2597 2550	47	I 2 I 1			.6	4.7
49			2125			2171	0.827 6		9.995		47	10		, ,	·8	9'4 [4'I
50			2123	9.172		2170	0.827 4			2503	47					8.8
51 52	9.168	0081		10.172	7672	2170	0.827 4				47	9 8				23.2
53	9.168	2202	2121	0 172	9840	2168	0.827	160	9.995	2362	47	7		5 27	.6	28.5
54	9.168	4322	2120 2119	9.173	2007	2167 2166	0.826 7	1993	9.995	2315	47	6	3	32	.0	32.0
55	9.168	6441	2118	9.1/3		2165	0.826	827	9.995		47 47	5				37·6 12·3
50	9.168 9.169	0559	2117	9.173 9.173		2164	0.826 g 0.826 g	1002	9.995	2221	47	4	,	7 41	71'	,- <i>3</i>
57	9.169	2702	2116	0 174		2163	0.825				47	3				
59	9.169	4907	2115	9.174	2827	2162	0.825 7				47	ī				l
60			2114	9.174	4988	2161	0.825 5				47	-0				
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I	9.169 91	1	2113	9.174		2159	0.825				47	59	١,	2120	1 2 1 20	12110
2	9.170 12		2111	9.174		2158			9.995		47	58		2130	2120	2110
3 4	9.170 33 9.170 54		2109	9.175 9.175	2622	2157			9.995 9.995		47	57 56	1 2	213 426	212 424	211 422
5	9.170 75	1	2109	9.175		2156	0.824			1796	48	55	3	639	636	633
6	9.170 96		2108	9.175		2155 2153			9.995	1749	47	54	4	852	848	844
7	9.171 17		2105	9.176		2153			9.995	1702	47 48	53	5	1065	1060	1055
8	9.171 38	1	2105	9.176		2152			9.995	1654	47	52	6	1278	1272	1266
2	9.171 59 9.171 81		2103	9.176		2151		5609		1607	48	51	7 8	1491	1696	1477
10			2102	9.176 9.176		2149	0.823		9.995	1559	47	50	9		1908	
12	9.172 02 9.172 23	~	2102	9.170		2149			9.995 9.995	1464	48	49 48				
13	9.172 44		2100	9.177	2988	2148	0.822			1417	47	47				
14	9.172 65		2099 2098	9.177	5134	2146			9.995	1369	48	46				
15	9.172 86		2097	9.177		2145	0.822			1322	47 48	45		2100	2090	2080
16 17	9.173 06 9.173 27		2096	9.177 9.178		2143			9.995 9.995	1274	47	44 43		210	209	208
18	9.173 48		2095	9.178		2143	0.821	6280	9.995	1179	48	42	2	420	418	416
19	9.173 69		2094	9.178		2142	0.821	4147		1132	47	41	3	630	627	624
20	9.173 90	_	2093	9.178		2140	0.821		9.995	1084	48	40	4	840	836	832
21	9.174 11		2092	9.179		2140	0.820		9.995	1036	48	39	5	1050	1045	1040
22	9.174 32	260	2091	9.179	227 I	2138 2138	0.820	7729	9.995		48 47	38	7	1260	1254	1248
23	9-174 53		2089	9.179	4409	2137	0.820	5591	9.995	0941	48	37	8	1680	1672	1664
24 25	9.174 74 9.174 95		2087	9.179 9.179		2135			9.995 9.995	0893 0845	48	36 35	9		1881	
26	9.174 95		2087	9.179		2135			9.995		48	35 34				
27	9.175 36	599	2086	9.180		2133	0.819	7051	9.995	0750	47	33				
28	9.175 57	84	2083	9.180	5082	2133 2131	0.819	4918	9.995	0702	48 48	32				
29	9.175 78		2083	9.180		2131			9.995		48	31	1	2070	2060	2050
30	9.175 99		2082	9.180		2130	0.819		9.995	0606	48	30		207	206	205
31	9.176 20	- 1	2080	9.181		2128	0.818	8526	9.995	0558	48	29	2	414	412	410
32 33	9.176 41 9.176 61		2080	9.181 9.181		2128	0.818	4270	9.995 9.995	0462	48	28 27	3	621	618	615
34	9.176 82		2078	9.181		2126			9.995	0414	48	26	4	828	824	820
35	9.177 03		2078	9.181	9982	2126 2124	0.818	0018	9.995	0366	48 48	25	5	1035 1 2 42	1030	1025
36	9.177 24		2075	9.182		2124			9.995		48	24	7	1449	1442	1435
37	9.177 45		2075	9.182		2123			9.995		48	23 22	8	1656	1648	1640
38 39		75	2073	9.182 9.182	8474	2121			9.995 9.995		48	2 I	9	1863	1854	1845
40	9.178 07	_	2073	9.183		2121	0.816				48	20				
41		92	2071	9.183		2120	0.816	_	-		48	19				
42	9.178 48		2071	9.183		2118	1.00		9.995	0029	49	18				
43	9.178 69	32	2069	9.183	6951	2118	0.816	3049	9.994	9981	48	17				
44	9.178 90	10	2067	9.183	9068	2115	0.816	0932	9.994	9933	48	16	9			
45 46	9.179 10		2067	9.184 9.184	1103	2115	0.815	6702	9.994 9.994	9826	49	15				
47	9.179 31	100	2065	9.184	5412	2114	0.815	4588	9.994	9788	48	13	1	1 4	8	49
48	9.179 72	65	2065	9.184		2113	0.815	2475	9.994	9740	48 48	12	-	_	4.8	4'9
49	9.179 93	328	2063	9.184		2111			9.994		49	11			9.6	9.8
50 51	9.180 13	390	2062	9.185		2110	0.814		9.994		48	10		7 1 1 7 2		14'7
151	9.180 34		2060	9.185	3857	2109	0.814	6143	9.994	9595	49	9				19.6
1	9.180 55		2060	9.185	5966	2108	0.814	4034	9.994	9546	48	8	1			24'5 29'4
1	9.180 75 9.180 96		2058	9.185	0181	2107			9.994 9.994		49	7	1	7 3	3.6	34'3
1	9.181 16		2058	9.186		2106			9.994		48	5	1/2	8 3	8.4	39.5
	9.181 37	44	2056	9.186	4392	2105			9.994		49 48	4		9 4	3.5	44'I
	9.181 57	99	2055	9.186	6495	2103 2104	0.813	3505	9.994	9304	49	3				
İ	9.181 78		2053	9.186		2102			9.994		48	2				
	9.181 99		2053	9.187		2101			9.994		49	1				
i	9.182 19	00	1.14	9.187		1			9.994	-	0.00	0				
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.182 1960	2051	9.187 2802	2100	0.812 7198	9.994 9158	48	60				
1	9.182 4011	2051	9.187 4902	2000	0.812 5098		49	59			1 2000	2080
2	9.182 6062 9.182 8111	2049	9.187 7001	2008	0.812 2999		49	58	-	2100	2090	
4	9.183 0160	2049	9.187 9099 9.188 1196	2097	0.812 0901		48	57 56	1 2	210 420	209 418	208 416
5	9.183 2207	2047	9.188 3292	2090	0.811 6708		49	55	3	630	627	624
6	9.183 4254	2047	9.188 5388	2090	0.811 4612	9.994 8866	49 49	54	4	840	836	832
7	9.183 6299	2045	9.188 7482	2002	0.811 2518		48	53	5	1050	1045	1040
8	9.183 8344 9.184 0387	2043	9.188 9575 9.189 1668	2002	0.810 8332	9.994 8769 9.994 8720	49	52 51	6	1260	1254	1248
10	9.184 2430	2043	9.189 3759		0.810 6241		49	5°	8	1680	1672	1664
11	9.184 4472	2042	9.189 5850	2091	0.810 4150		49	49	9	1890	1881	1872
12	9.184 6512	2040	9.189 7939	12009	0.810 2061		49	48				
13	9.184 8552	2040 2039	9.190 0028		0.809 9972		49	47				
14	9.185 0591	2037	9.190 211	2087	0.809 7885		49 49	46				
15	9.185 2628 9.185 4665	2037	9.190 4202 9.190 6282	2005		9.994 8426	49	45		2070	2060	2050
17	9.185 6701	2036	9.190 8372	2005	0.809 3713		49	44 43	1	207	206	205
18	9.185 8735	2034	9.191 0456		0.808 9544		49	42	2	414	412	410
19	9.186 0769	2034	9.191 2539	2082	0.808 7461	9.994 8230	49 49	41	3	621	618	615
20	9.186 2802	2032	9.191 4621	2080	0.808 5379	9.994 8181	1	40	4	828	824	820
2 I	9.186 4834	2031	9.191 6701	2080		9.994 8132	49 49	39	5	1035	1030 1236	1025
22	9.186 6865	2029	9.191 8781	2070		9.994 8083	49	38	7	1449	1442	1435
23 24	9.187 0923	2029	9.192 0860	12070		9.994 8034 9.994 7985	49	37 36	8	1656	1648	1640
25	9.187 2951	2028	9.192 5016	2077	0.807 4984		49	35	9	1863	1854	1845
	9.187 4978	2027 2026	9.192 7092	2075		9.994 7886	50	34				
27	9.187 7004	2025	9.192 9167	2074	0.807 0833	9.994 7837	49 49	33				
28 29	9.187 9029 9.188 1053	2024	9.193 1241	2074	0.806 8759 0.806 6685		49	32 31				
30	9.188 3076	2023	9.193 3315		0.806 4613		50	_		2040	2030	2020
31	9.188 5099	2023	9.193 7459	120/2	0.806 2541		49	30 29	1	204	203	202
32	9.188 7120	2021	9.193 9529	120/0	0.806 0471		49	28	2	408	406	404
33	9.188 9140	2020	9.194 1599		0.805 8401	9.994 7541	50	27	3 4	612 816	609 812	606 808
34	9.189 1159	2018	9.194 3667	2068		9.994 7492	49 50	26	5	1020	1015	0101
35 36	9.189 3177	2018	9.194 5735 9.194 7802		0.805 4265	9.994 744 ² 9.994 7393	49	25 24	6	1224	1218	1212
37	9.189 7211	2016	9.194 9868	2000	0.805 0132		49	23	7	1428	1421	1414
38	9.189 9226	2015	9.195 1932		0.804 8068		50	22	8	1632 1836	1624 1827	1616
39	9.190 1241	2013	9.195 3996	2062	0.804 6004		49 50	21	9	1030	1027	1010
40	9.190 3254	2013	9.195 6059	2062	0.804 3941	9.994 7195	50	20				
41	9.190 5267	2011	9.195 8121	2062	0.804 1879	1	49	19				
42	9.190 7278 9.190 9289	2011	9.196 0183 9.196 2243	2060	0.803 9817		50	18				
43 44	9.190 9209	2010	0.106 4302	2059	0.803 7757 0.803 5698		49	17 16				
45	9.191 3307	2008	9.196 6361	2059	0.803 3639	9.994 6947	50	15				
	9.191 5315	2007	9.190 0410	2056	0.803 1582	9.994 6897	50 49	14			٠,	
47	9.191 7322 9.191 9328	2006	9.197 0474	10056	0.802 9526	9.994 6848	50	13	-		$\frac{.8}{.0}$	49
48 49	9.191 9328	2005	9.197 2530 9.197 4581	2055	0.802 7470	9.994 6798 9.994 6748	50	I 2 I I			4.8	4.9
_	9.192 3337	2004	9.197 6638	2053		9.994 6698	50	10			9 [.] 6	9·8 14·7
	9.192 5340	2003	9.197 8691	2053		9.994 6649	49	9				19.6
52	9.192 7342	2002 2001	0.108 074	2052	0.801 9257	9.994 6599	50	8		5 2	4.0	24 [.] 5
53	9.192 9343	2000	9.198 2794	2051	0.801 7206	9.994 6549	50 50	7			- 1	29'4
	9.193 1343	1999	19.190 4042	10040	0.801 5156	9.994 6499	50	6		7 3		34'3 39 '2
	9.193 3342 9.193 5341	1999	9.198 6893 9.198 8941	2048	0.801 1050	9.994 6449 9.994 6399	50	5				44.1
	9.193 7338	1997	9.190 094	2040	0.800 9011	9.994 6349	50	4		• •	- '	
58	9.193 9334	1996 1996	9.199 303	2040	0.800 6965	9.994 6299	50	2				
	9.194 1330	1994	9.199 5081	2040	0.800 4919	9.994 6249	50 50	1				
60	9.194 3324		9.199 712	!		9.994 6199	ادوا	0				
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34 9.201 0536 1962 9.206 0101 9.206 8114 2013 0.793 1886 9.994 44345 51 25 6			1064			0.793 5913			_					
33 9.201 4509 37 9.201 6469 38 9.201 8429 39 9.202 0387 40 9.202 2345 41 9.202 4302 42 9.202 6258 43 9.202 8213 44 9.203 0167 45 9.203 1067 45 9.203 2120 46 9.203 4072 47 9.203 6023 48 9.203 9923 50 9.204 1872 51 9.204 3820 52 9.204 1872 51 9.204 3820 52 9.204 1872 51 9.204 3702 51 9.204 3702 51 9.204 3702 51 9.204 3702 51 9.204 3702 51 9.204 3702 51 9.204 3702 51 9.204 3702 51 9.204 3702 51 9.204 3702 51 9.204 3702 51 9.205 5487 8 9.205 5487 8 9.205 5487 9 9.206 6194 9 9.207 9.207 9 9.208 6191 9 9.208 8195 9 9.208 8195 9 9.208 8105 9 9.208 8105 9 9.209 8201 9 9.209 8201 9 9.209 8201 9 9.209 8201 9 9.209 8201 9 9.209 8201 9 9.209 8201 9 9.209 8201			1062							26				970
37 9.201 6469 9.207 2137 2010 0.792 7863 9.994 4332 51 23 8 1560 155 9.207 4147 9.202 2345 9.207 6157 9.207 6157 9.207 8165 9.208 9.209 9.20			1901	1	-	0.793 1880	9.994	4434						1164
38 9.201 8429 9.207 4147 9.207 6157 9.207 6157 9.207 8165 9.207 8165 9.208 8195 9.208 8195 9.203 923 1955 9.208 8195 9.203 4072 1955 9.208 8195 9.203 4072 1955 9.208 8195 9.203 4072 1955 9.209 1991 1951 9.209 1951 9.209 1951 9.209 1951 9.209 2019 1951 1951	-		1900		I	0.792 7863	0.004	4303				0	-	1358
39 9.202 0387 1958 9.207 6157 1958 9.207 8165 9.208 8173 9.202 6258 1955 9.208 2180 9.202 6258 1955 9.208 8185 9.203 2120 45 9.203 4072 47 9.203 6023 1951 9.209 2201 1951 9.209 2202 9.204 1872 9.204 1872 9.204 1952 9.209 6203 9.204 1872 9.204 1952 9.209 6203 9.204 1872 9.204 1953 9.209 6203 1949 9.204 1954 9.209 6203 1949 9.204 1954 9.209 6203 1949 9.204 1954 9.209 6203 1949 9.204 1955 9.204 1955 9.204 1955 9.204 1955 9.205 1602 1945 9.210 6194 9.205 1602 1945 9.210 6194 9.205 1602 1945 9.210 10184 1945 9.210 10184 1945 9.210 10184 1945 194			11900		1				_					1552
9.202 2345 1957 9.208 1958 9.208 2008 9.208 2007 9.208 2008 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2006 2007 2007 2006 2007 20	39	9.202 0387			l .							9 17	55 1	1746
41 9.202 4302 9.208 0173 9.208 0173 9.208 0173 9.208 0173 9.208 0173 9.208 0173 9.208 0167 9.208 4186 9.203 0167 9.208 8195 9.203 4072 9.203 4072 9.203 0167 9.203 0167 9.203 0167 9.203 0167 9.203 0167 9.203 0167 9.203 0167 9.203 0167 9.204 0175 9.204 0175 9.204 0175 9.204 0175 9.204 0175 9.204 0175 9.204 0175 9.204 0175 9.205 0175 9.204 0175 9.205 0175 9.204 0175 9.205 0175 9.204 0175 9.205 0175 9.	40	9.202 2345		9.207 8165		0.792 1835	9.994	4180		20				
42 9.202 6258 1955 9.208 2180 2006 0.791 7820 9.994 4078 51 18 43 9.202 8213 1955 9.208 4186 1954 9.208 6191 0.791 5814 9.994 4078 51 18 17 17 17 18 18 18 18 19 <td< td=""><td></td><td></td><td>1056</td><td></td><td>1</td><td>0.791 9827</td><td>9.994</td><td>4129</td><td>-</td><td>-</td><td></td><td></td><td></td><td></td></td<>			1056		1	0.791 9827	9.994	4129	-	-				
43 9.202 8213 9.208 4186 1954 9.208 6191 1953 9.208 6191 1953 9.208 8195 9.203 4072 1951 9.209 0199 1951 1951 115		^ ~	INCE			0.791 7820	9.994	4078						
1953 9.203 2120 1953 9.208 8195 9.203 4072 4072 1951 9.209 0.791 1805 9.994 3975 51 15 15 15 16 1951 9.209 0.791 1805 9.994 3873 3873 3888 9.203 7974 49 9.203 9.204 1949 9.209 6203 1949 9.209 6203 1949 9.209 6203 1949 9.204 3820 1948 9.210 2200 1946 9.210 2200 1946 9.210 2200 1946 9.210 2200 1946 9.210 2200 1946 9.210 2200 1946 9.210 1946 9.210 1946 9.210 1946 9.210 1946 9.210 1946 1946 9.210 1946 1946 9.210 1946 9.210 1946 1946 9.210 1946 1946 9.210 1946 1946 9.210 1946 1946 1946 1946 9.210 1946			TOEA			0.791 5814	9.994	4027	_					
40 9.203 4072 7974 9.203 6023 1951 9.209 0199 1951 9.203 6023 1951 9.209 2201 1951 9.209 2201 1951 9.209 6203 1949 1945 9.209 6203 1949 1949 1945 9.209 6203 1949 1949 1949 1949 1949 1949 1949 194			1953		2004	10	9.994	3975						
47 9.203 6023 1951 9.209 2201 2002 2079 7799 9.994 3822 51 13 50 51 12 15 15 15 15 15 12 15 10 15 15 12 15 10 15 15 12 15 10 15 15 12 15 15 12 15 15 15 12 15 10 15 15 15 12 15 10 15 15 12 15 10			1952			0.790 0801	0.004	3872						
48 9.203 7974 49 9.203 9923 1949 9.209 4203 1949 9.209 6203 1949 9.204 1872 51 1946 1946 1946 1946 1946 1946 1946 194	47	9.203 6023	1951	9.209 2201	ľ							1 5	0	51
49 9.203 9923 1949 9.209 6203 2000 9.994 3720 51 100				9.209 4203	L	0.790 5797					-	_		2.1
9.204 1872 1948 9.209 8203 1946 9.210 2020 1946 9.210 2020 1946 9.210 2020 1946 9.210 2020 1945 9.204 9657 1945 9.210 1945 1945 9.210 1945 1945 9.210 1945			1040		ľ					11		2 1	0,0	10'2
1946 9,210 4107 1948 9,210 4107 1949 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,210 4107 1945 9,211 4170 9,205 7429 9,205 7429 9,205 7429 9,205 7429 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,211 4170 9,205 9,211 4170 9,205 9,211 4170 9,205					i					10				15.3
33 9.204 7712 7945 9.210 4197 1945 9.210 6194 1997 0.789 5803 9.994 3515 51 7 7 35°0 35°0 35°0 59.205 1602 1945 9.210 8189 1995 0.789 1811 9.994 3412 51 8 1942 9.211 0184 1942 9.211 2177 1942 9.211 2177 1942 9.211 4170 9.205 9369 1940 1940 9.211 6162 9.211 8153 1992 0.788 7823 9.994 3258 51 1 0 0.788 7823 9.994 3258 51 1 0 0.788 1847 9.994 3156 51 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			11046				9.994	3618	1	9				20'4
14 9.204 9657 1945 9.210 6194 1997 0.789 3806 9.994 3464 51 6 7 35°0 3			1946	9,210 2200								5 20		
5 9.205 1602 1943 9.210 8189 1995 0.789 1811 9.994 3412 52 54 54 60 450 450 450 52 5487 9.205 5487 1942 9.205 7429 1940 9.205 9369 1940 9.206 1309 1940 9.211 8153 1993 0.788 7823 9.994 3258 51 1 0.788 7823 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258 9.994 3258	14	9.204 0657	1945			0.789 5803	9.994	3515		7				35.7
9.205 3545 9.205 5487 9.205 5487 9.205 7429 9.205 9369 9.206 1309 1940 9.211 0184 1995 0.788 9816 9.994 3361 51 3 9.211 0184 1993 0.788 7823 9.994 3310 52 2 2 3 3 3 3 3 3 3 3 3 3 3					1995	0.789 1811	9.994	3412	_			8 40		40.8
7 9.205 5487 1942 9.211 2177 1993 0.788 7823 9.994 3310 57 3 9.205 7429 1940 9.211 4170 1993 0.788 5830 9.994 3258 51 9.206 1309 1940 9.211 6162 9.211 8153 1991 0.788 3838 9.994 3207 51 1 0	5	9.205 3545	1943			0.788 9816	9.994	3361						45'9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	į	9.205 5487	1042	9.211 2177	1993	0.788 7823	9.994	3310	-					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		7 7 74-9	1040			0.788 5830	9.994	3258		2				
79.200 1309	!		12040			0.788 3838	9.994	3207	E.C.	1				
I COS. I d. I Cotany, I d. c. I Tano I Sin I d le I	,						-	NAME OF TAXABLE PARTY.						
3	-	Cos.	d.	Cotang.	d. c.	Tang.	Sir	1.	d.	S.				
5 ^h 23 ^m				5 ^	23"	3								

			0^	37 n									
s.	Sin.	d.	Tang.	d. c.	Cotang.	Co	s.	d.					
0	9.206 1309		9.211 8153		0.788 1847	19.994	3156		60				
1	9,206 3248	1939	9.212 0144	1991	0.787 9850	_	3104	52	59				
2	9.206 5186	1938	9.212 2133	1989	0.787 786			51	58		1990	1980	197
3	9.206 7123	1937	9.212 4122	1989	0.787 5878		3001	52	57	1	199	198	10
4	9.206 9059	1936	9.212 6109	1987	0.787 389		2950	51	56	2	398	396	
5	9.207 0994	1935	9.212 8096	1987	0.787 1904		2898	52	55	3	597	594	1 2 2 2
6	9.207 2929	1935	9.213 0082	1986	0.786 991	9.994	2846	52 51	54	4	796	792	
7	9.207 4862	1933	9.213 2067	1984	0.786 793	9.994	2795	52	53	5	995	990	
8	9.207 6795	1933	9.213 4051	1984	0.786 5949	9.994	2743	51	52	6	1194	1188	1000
9	9.207 8726	1931	9.213 6035	10 T 10 T	0.786 396	9.994	2692	135	51	7	1393	1386	13
10	9.208 0657	1931	9.213 8017	1982	0.786 198	9.994	2640	52	50		1592	1584	15
11	9.208 2587	1930	9.213 9999	1982	0.786 000		2588	52	49	9	1791	1782	17
12	9.208 4516	1929	9.214 1980	1981	0.785 8020			51	48				
13	9.208 6444	1928	9.214 3960	1980	0.785 6040			52	47				
14	9.208 8372	1928	9.214 5939	1979	0.785 406			52	46				
15	9.209 0298	1926	9.214 7917	1978	0.785 208			52	45	17		10000	150
16	9.209 2224	1926	9.214 9894	1977	0.785 010			51	44		1960	1950	19.
7	9.209 4149	1925	9.215 1871	1977	0.784 812			52	43	1	196	195	1
18	9.209 6072	1923	9.215 3846	1975	0.784 615			52 52	42	2	392	390	
19	9.209 7995	1923	9.215 5821	1975	0.784 4179	9.994	2174	6	41	3	588	585	5
20	9.209 9917	1922	9.215 7795	1974	0.784 220	9.994	2122	52	40	4	784	780	1
21	9.210 1839	1922	9.215 9768	1973	0.784 023		2070	52	39	5	980	975	
22	9.210 3759	1920	9.216 1741	1973	0.783 8250		2018	52	38	6	1176	1170	
23	9.210 5678	1919	9.216 3712	1971	0.783 628		1966	52	37	7	1372	1365	1
24	9.210 7597	1919	9.216 5683	1971	0.783 431		1914	52	36	8	1568	1560	
25	9.210 9515	1918	9.216 7652	1969	0.783 234			52	35	91	1764	1755	17
26	9.211 1431	1916	9.216 9621	1969	0.783 0370		1810	52	34				
27	9.211 3347	1916	9.217 1589	1968	0.782 841		1758	52	33				
28	9.211 5263	1916	9.217 3556	1967	0.782 644	9.994	1706	52	32				
29	9.211 7177	1914	9.217 5523	1967	0.782 447	9.994	1654	52	31		1.4	1	
30	9.211 9090	1913	9.217 7488	1965	0.782 2512	9.994	1602	52	30	-	19	30	1920
31	9.212 1003	1913	9.217 9453	1965	0.782 054	_	1550	52	29	1		93	192
32	9,212 2914	1911	9.217 9455	1964	0.781 858			52	28	2		86	384
33	9.212 4825	1911	9.218 3380	1963	0.781 6620	9.994		53	27	3	70	79	576
34	9.212 6735	1910	9.218 5342	1962	0.781 4658			52	26	4		72	768
35	9.212 8644	1909	9.218 7303	1961	0.781 269		2000	52	25	5		55	960
36	9.213 0552	1908	9.218 9264	1961	0.781 073			52	24		11	200	1152
37	9.213 2460	1908	9.219 1223	1959	0.780 877			53	23	7 8	13		1344
38	9.213 4366	1906	9.219 3182	1959	0.780 6818	9.994	1184	52	22	9	15	0.00	728
39	9.213 6272	1906	9.219 5140	1958	0.780 4860	9.994	1132	52	21	9	17	3/ 1	,,20
10	9.213 8176	1904	9.219 7097	1957	0.780 290	9.994	1079	53	20				
1.1	9.214 0080	1904	9.219 9053	1956	0.780 094		_	52	19				
	9.214 1983	1903	9.219 9053	1956	0.779 899			53	18				
13	9.214 3886	1903	9.220 2964	1955	0.779 7030		0922	52	17				
14	9.214 5787	1901	9.220 4917	1953	0.779 508			52	16				
5	9.214 7687	1900	9.220 6870	1953	0.779 3130	9.994	0817	53	15				
16	9.214 9587	1900	0.220 8822	1952	0.779 117	9.994	0765	52	14				
17	9.215 1486	1899	9.221 0774	1952	0.778 9220	9.994	0712	53	13		5	t	52
8	9.215 3384	1898	9.221 2724	1950	0.778 7270			23	12	1		1.	5'2
19	9.215 5281	1897	9.221 4674	1950	0.778 5320			52	11	2		2	10'4
50	9.215 7177	1896	9.221 6623	1949	0.778 337		_	53	10	3		3	15.6
_		1895	9.221 8571	1948	0.778 1420	_		52	9	4		4	20.8
1	9.215 9072 9.216 0967	1895	9.222 0518	1947	0.777 948			53	8			5	26.0
53	9.216 2860	1893	9.222 2464	1946	0.777 753	0.004	0306	53	7	5	30	.6	31.5
34	9.216 4753	1893	9.222 4410	1946	0.777 5590			3-	6	7 8		7	36.4
55	9.216 6645	1892	9.222 6354	1944	0.777 3640			53	5	8		8	41.6
56	9.216 8536	1891	9.222 8298	1944	0.777 170			53	4	9		9	46.8
57	9.217 0427	1891	9.223 0241	1943	0.776 9750			53	3	110		477	
58	9.217 2316	1889	9.223 2183	1942	0.776 781			52	2				
59	9.217 4205	1889	9.223 4125	1942	0.776 587			53	1				
	9.217 6092	1887	9.223 6065	1940	0.776 393			53	0				
~		d.	Cotang.	d. c.	Tang.	1 Sin		d.	_				
	Cos.												

			0^	38"	8							
s,	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.217 6092	1887	9.223 6065	1940	0.776 3935	9.994 0027		60				
1	9.217 7979	1886	9.223 8005	1939	0.776 1995	9-993 9974	53	59		1		1.0
2		1885	9.223 9944	1938		9.993 9921	53	58		1910	1900	1890
3	9.218 1750	1885	9.224 1882	1937		9.993 9868	53	57	I	191	190	189
5	9.218 3635 9.218 5518	1883	9.224 3819 9.224 5756	1937	0.775 6181	9.993 9815 9.993 9762	53	56 55	3	382 573	380 570	378 567
6	9.218 7401	1883	0 224 7602	1936	0.775 2308		53	54	4	764	760	756
7	9.218 9283	1882- 1881	9.224 9626	1934		9.993 9656	53	53	5	955	950	945
8	9.219 1164	1880	9.225 1561	1935	0.774 8439		53 53	52	6	1146	1140	1134
9	9.219 3044	1879	9.225 3494	1932	0.774 6506	9.993 9550	53	51	۱ ۵۱	1337	1330	1323
10	9.219 4923	1879	9.225 5426	1932	0.774 4574	9.993 9497	53	50		1528	1520	1512
11	9.219 6802	1878	9.225 7358	1931	0.774 2642	9.993 9444	53	49	91	.,.91	1710	1701
12	9.219 8680	1876	9.225 9289	1930	0.774 0711		53	48				
13	9.220 0556 9.220 2432	1876	9.226 1219 9.226 3148	1929	0.773 8781 0.773 6852		53	47 46				
15	9.220 4308	1876	9.226 5076	1928	0.773 4924		53	45				
16	9.220 6182	1874 1873	9.226 7004	1928	0.773 2996		54	44	L_I.	1880	1870	1860
17	9.220 8055	1873	9.226 8930	1926 1926	0.773 1070	9.993 9125	53 53	43	1	188	187	186
18	9.220 9928	1872	9.227 0856	1925	0.772 9144	9.993 9072	54	42	2	376	374	372
19	9.221 1800	1871	9.227 2781	1925	0.772 7219		53	41	3	564	561 748	558
20	9.221 3671	1870	9.227 4706	1923	0.772 5294	9.993 8965	53	40	5	752 940	935	930
2 I 22	9.221 5541	1869	9.227 6629	1923	0.772 3371		54	39		1128	1122	1116
23	9.221 7410 9.221 9279	1869	9.227 8552 9.228 0474	1922	0.772 1448 0.771 9526		53	38 37		1316	1309	1302
24	9.222 1147	1868	9.228 2395	1921	0.771 7605	, ,,,,	53	36		1504	1496	1488
25	9.222 3014	1867 1866	9.228 4315	1920	0.771 5685		54	35	91	1692	1683	1674
26	9.222 4880	1865	9.228 6235	1918	0.771 3765		53 54	34				
27	9.222 6745	1864	9.228 8153	1918	0.771 1847		53	33				
28 20	9.222 8609	1864	9.229 0071 9.229 1988	1917	0.770 9929	9.993 8538	54	32				
29 20	9.223 0473	1863		1917			53	31		18	0 1	840
30	9.223 2336	1861	9.229 3905	1915	0.770 6095	9.993 8431	54	30	I		35	184
31 32	9.223 4197 9.223 6059	1862	9.229 5820 9.229 7735	1915	0.770 4180		53	29 28	2	37	70	368
33	9.223 7919	1860	9.229 9649	1914		9.993 8270	54	27	3		55	552
34	9.223 9778	1859 1859	9.230 1562	1913	0.769 8438	9.993 8216	54	26	4			736
35	9.224 1637	1858	9.230 3474	1912	0.769 6526	9.993 8163	53 54	25	5	92		920
36	9.224 3495	1857	9.230 5386	1911	0.769 4614		54	24	7	120	450	288
37 38	9.224 5352 9.224 7208	1856	9.230 7297	1910	0.769 2703		53	23	8	148		472
39	9.224 7200	1855	9.230 9207 9.231 1116	1909	0.768 8884	9.993 8002	54	22 21	9	166	5 1	656
40	9.225 0918	1855	9.231 3024	1908	0.768 6976		54	20				
41	9.225 2772	1854	9.231 4932	1908		9.993 7894	54	19		1		
42	9.225 4625	1853	9.231 6838	1906	0.768 3162		54	18				
43	9.225 6477	1852	9.231 8744	1906	0.768 1256	9.993 7732	54	17				
44	9.225 8328	1851 1851	9.232 0650	1906	0.767 9350	9.993 7679	53 54	16				
45	9.226 0179	1840	9.232 2554	1904	0.767 7446		54	15				
	9.226 2028		9.232 4458	1902	0.767 5542		54	14		1 4	. 1	=4
48 48	9.226 3877 9.226 5725	1848	9.232 6360 9.232 8262	1902	0.767 3640	9.993 7517 9.993 7463	54	13	-	5.		54
49	9.226 7573	1848	9.233 0164	1902	0.766 9836	9.993 7409	54	11	2	10	3	5'4
50	9.226 9419		9.233 2064	1900	0.766 7936	9.993 7355	54	10	3	15		16.5
51	9.227 1265		9.233 3964	1900	0.766 6036		54	9	4	21		51.6
	9.227 3110		9.233 5863	1899	0.766 4137	9.993 7247	54	8	5	26	5 3	27.0
ı	9.227 4954	1844 1843	9.233 7761	1898 1897	0.766 2239	9.993 7193	54 54	7		31		32'4
	9.227 6797	1842	9.233 9658	1897	0.766 0342	9.993 7139	55	6	7 8	37		37.8
	9.227 8639	1842	9.234 1555	1896		9.993 7084	54	5	9	42	7 5	13°2
l	9.228 0481 9.228 2322	1841	9.234 3451 9.234 5 346	1895		9.993 7030 9.993 6976	54	4	9	1 41		
	9.228 4162	1840	9.234 7240	1894		9.993 6922	54	3 2				
ĺ	9.228 6001	1839	9.234 9133	1893	0.765 0867	9.993 6868	54	T				
l	9.228 7839	1838	9.235 1026	1893		9.993 6813	55	0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	-				
				21"								
Ļ			<u> </u>	۶1 °								

			0"	39"	ı							
S.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.228 7839	1838	9.235 1026	. 000	0.764 8974	9.993 6813		60				
1	9.228 9677	1837	9.235 2918	1892	0.764 708	-	54	59		_		
2	9.229 1514	1836	9.235 4809	1891	0.764 519		34	58		1890	1880	1870
3	9.229 3350	1835	9.235 6699	1890	0.764 330			57	1	189	188	187
4	9.229 5185	1834	9.235 8589	1889	0.764 141		54	56	2	378	376	374
5	9.229 7019	1834	9.236 0478	1888	0.763 952		25	55	3	567	564	561
7	9.229 8853 9.230 0686	1833	9.236 2366 9.236 4253	1887	0.763 763		54	54	4	756	752	748
8	9.230 2518	1832	9.236 6139	1886	0.763 574		55	53 52	5	945	940	935
9	9.230 4349	1831	9.236 8025	1886	0.763 197		54	51	7	1323	1316	1309
10	9.230 6179	1830	9.236 9910	1885	0.763 0090		55	50	8	1512	1504	1496
11	9.230 8009	1830	9.237 1794	1884	0.762 8200	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	54	-	9	1701	1692	1683
12	9.230 9838	1829	9.237 3678	1884	0.762 632		55	49 48	ŀ			
13	9.231 1666	1828	9.237 5560	1882	0.762 4440		154	47				
14	9.231 3493	1827 1827	9.237 7442	1882	0.762 255		55	46				
15	9.231 5320	1825	9.237 9323	1880	0.762 067	9.993 5997	54	45	١.	. 0.6 -	0	
16	9.231 7145	1825	9.238 1203	1880	0.761 879			44		1860	1850	1840
17	9.231 8970	1824	9.238 3083	1879	0.761 691		54	43	I	186	185	184
18	9.232 0794 9.232 2618	1824	9.238 4962 9.238 6840	1878	0.761 503		55	42	2	372	370	368
-		1822		1877	0.761 3160		55	41	3 4	558 744	555 740	552 736
20	9.232 4440	1822	9.238 8717	1876	0.761 128		100	40	5	930	925	920
21	9.232 6262	1821	9.239 0593	1876	0.760 940		54	39	6	1116	1110	1104
22	9.232 8083 9.232 9903	1820	9.239 2469	1875	0.760 753		55	38	7	1302	1295	1288
23	9.232 9903	1819	9.239 4344 9.239 6218	1874	0.760 5650		55	37 36	8	1488	1480	1472
25	9.233 3541	1819	9.239 8092	1874	0.760 190		100	35	9	1674	1665	1656
26	9.233 5359	1818	9.239 9964	1872	0.760 003		100	34				
27	9.233 7176	1817	9.240 1836	1872	0.759 816		100	33				
28	9.233 8992	1816	9.240 3708	1872 1870	0.759 629		134	32				
29	9.234 0808	1814	9.240 5578	1870	0.759 442	9.993 5230	55	31		1.0	ao I =	0
30	9.234 2622	1814	9.240 7448	1869	0.759 255	9.993 5175	55	30	-	18		820
31	9.234 4436	1813	9.240 9317	1868	0.759 068		55	29	1			182
32	9.234 6249	1813	9.241 1185	1867	0.758 881		55	28	2		66	364
33	9.234 8062	1811	9.241 3052	1867	0.758 694		155	27	3	,	49 32	546 728
34	9.234 9873	1811	9.241 4919	1865	0.758 508		156	26	3		- 1	910
35 36	9.235 1684 9.235 3494	1810	9.241 6784 9.241 8650	1866	0.758 3210			25	ě		5 1	Ó92
37	9.235 5303	1809	9.242 0514	1864	0.758 1350			24 23	7		- 1	274
38	9.235 7112	1809	9.242 2378	1864	0.757 762		100	22	٤			456
39	9.235 8919	1807	9.242 4240	1862	0.757 5760		55	21	9	16	47 I	638
40	9.236 0726	1807	9.242 6103	1863	0.757 389		55	20				
41	9.236 2532	1806	9.242 7964	1861	0.757 2030		56	19				
42	9.236 4338	1806	9.242 9824	1860	0.757 017		55	18				
43	9.236 6142	1804 1804	9.243 1684	1860	0.756 8310		133	17				
44	9.236 7946	1803	9.243 3543	1859	0.756 645	9.993 4403	55	16				
	9.236 9749	1802	9.243 5402	1857	0.756 459	9.993 4347	150	15				
46		1802	9.243 7259	1857	0.756 274	9.993 4292	100	14				
47 48	9.237 3353	1800	9.243 9110	1856	0.750 088	9.993 4237	1 -6	13	_	_ 5		55
49	9.237 5153 9.237 6953	1800	9.244 0972 9.244 2828	1856	0.755 9028	9.993 4181	155	12 II	1		4	5.2
50	9.237 8753	1800		1854	0.755 7172		56		2			6.4
_		1798	9.244 4682	1854	0.755 5510		55	10	3	1		6·5 2·0
	9.238 0551	1798	9.244 6536	1852	0.755 3464		56	9	5			7.2
	9.238 2349 9.238 4146	1797	9.244 8389	1853	0.755 1611		55	8	6			3.0
	9.238 5942	1796	9.245 0242 9.245 2093	1851	a.134 913	9.993 3904 9.993 3848	56	7	7	1 -		8.5
	9.238 7737	1795	9.245 3944	1851		9.993 3793	55	5	8	43	2 4	4.0
56	9.238 9532	1795	9.245 5794	1850		9.993 3737	56	4	9			9.5
	9.239 1325	1793	9.245 7644	1850		9.993 3682	55	3	1			
58	9.239 3118	1793 1793	9.245 9493	1849 1848	0.754 0507	9.993 3626	56 56	2	l			
	9.239 4911	1791	9.246 1341	1847	0.753 8659	9.993 3570		1				
60	9.239 6702	.19.	9.246 3188	104/	0.753 6812	9.993 3515	55	0	l			
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				
			54	20"				_	ĺ			
			J	~0	25				l			

			01	40'	n			-			1	-
s.	Sin.	d.	Tang.	d, c.	Cotang.	Cos.	d.	T				
0	9.239 6702	1701	9.246 3188	1846	0.753 6812	9.993 351	56	00				
1	9.239 8493	1791	9.246 5034	1846	0.753 4966	9.993 345	59 56	59		.0	1 - 0	
2	9.240 0283	1789	9.246 6880	1845	0.753 3120		5 56	50	_	1820	1810	
	9.240 2072	1789	9.246 8725	1844	0.753 1275		1/ 55	21	1	182	181	180
4 5	9.240 3861	1788	9.247 0569 9.247 2413	1844	0.752 9431 0.752 7587		56 56	56 55	3	364 546	362	360
6	9.240 7436	1787	9.247 4255	1842	0.752 5745		30 50	54	4	728	543 724	
7	9.240 9222	1786	9.247 6098	1843	0.752 3902	9.993 312	1 50	22	5	910	905	
8	9.241 1007	1785	9.247 7939	1841	0.752 2061	9.993 306	56 56	52	6	1092	1086	
9	9.241 2792	1784	9.247 9779	1840	0.752 0221	9.993 301	55	51	7	1274	1267	1260
10	9.241 4576	1783	9.248 1619	1839	0.751 8381	9.993 295	57 56	50	8	1456	1448	1440
11	9.241 6359	1782	9.248 3458	1839	0.751 6542	9.993 290	1 56	49	91	1638	1629	1620
12	9.241 8141	1782	9.248 5297	1837	0.751 4703		15 66	48				
	9.241 9923	1781	9.248 7134 9.248 8971	1837	0.751 2866		9 56	47				
15	9.242 1704 9.242 3484	1780	9.249 0808	1837	0.751 1029		77 50	45				
16	9.242 5264	1780	9.249 2643	1835	0.750 7357		21 50	44	1	1790	1780	1770
17	9.242 7042	1778 1778	9.249 4478	1835 1834	0.750 5522		54 57	43	1	179	178	177
, ,	9.242 8820	1777	9.249 6312	1833	0.750 3688		150	42	2	358	356	
19	9.243 0597	1777	9.249 8145	1833	0.750 1855	9.993 245	56	41	3	537	534	
20	9.243 2374	1775	9.249 9978	1832	0.750 0022	9.993 239	50 56	40	5	895	712 890	885
21	9.243 4149	1775	9.250 1810	1831	0.749 8190		10	39	6	1074	1068	1062
22 23	9.243 5924	1775	9.250 3641	1830	0.749 6359		4 57	38	7	1253	1246	1239
24	9.243 7699	1773	9.250 5471	1830	0.749 4529 0.749 2699		1 56	36	8	1432	1424	1416
25	9.244 1245	1773	9.250 9130	1829	0.749 0870		5 50	35	9	1611	1602	1593
26	9.244 3017	1772	9.251 0958	1827	0.748 9042		0 50	34				
27	9.244 4788	1770	9.251 2785	1827	0.748 7215	9.993 200		33				
28 29		1770	9.251 4612	1826	0.748 5388		16	32				
<u> </u>	9.244 8328	1769	9.251 6438 9.251 8264	1826	0.748 3562			31		1 17	60 1	750
30	9.245 0097 9.245 1865	1768		1824	0.748 1736	9.993 183	- 150	30	1	1	76	175
31 32	9.245 3632	1767	9.252 0088 9.252 1912	1824	0.747 9912 0.747 8088	9.993 177		29	2		52	350 -
33		1767	9.252 3735	1823	0.747 6265		54 50	27	3	- 2	28	525
34	9.245 7165	1765	9.252 5558	1823 1821	0.747 4442	9.993 160		26	5		80	700 875
35	9.245 8930	1765	9.252 7379	1821	0.747 2621		1 27	25	ě			050
36 37	9.246 0695	1764	9.252 9200 9.253 1021	1821	0.747 0800	9.993 143	14 56	24	7	12	_	225
38		1763	9.253 2840	1819	0.746 7160		31 57	23	8		0	400
39	9.246 5984	1762	9.253 4659	1819	0.746 5341	The second second	25 50	21	9	1 15	84 1	575
40	9.246 7746	1762	9.253 6477	1818	0.746 3523	9.993 126		20				
41	9.246 9506	1760	0.253 8205	1818	0.746 1705	9.993 121	57	19				
42	9.247 1266	1760	9.254 0112	1816	0.745 9888		55 56	18				
43	9.247 3026	1758	9.254 1920	1815	0.745 8072			17				
44	9.247 4784	1758	9.234 3/43	1815	0.745 6257		1 76	16				
45 46	9.247 6542 9.247 8299	1757	9.254 5558 9.254 7371	1813	0.745 4442 0.745 2629	0.003 000	20	15				
47	9.248 0056	1757	0.254 0185	1814	OBAF OSTF	9.993 08	71 3/	13		5	6	57
48	9.248 1811	1755	9.255 0997	1812	0 744 0002	9.993 081	14 5/	12	1		5.6	5.7
49	9.248 3566	1755	9.255 2809	1811	0.744 7191	9.993 075	57 56	11	2	11	1'2	11'4
50	9.248 5321		9.255 4020	1810	0 744 E280	9.993 070	01	10	3			17'1
51	9.248 7074	1753 1753	9.255 0430	1810	0.744 3570	9.993 064		9	4			22.8
	9.248 8827	1752	9.255 8240	1809	0.744 1700	9.993 058	1/ 57	8	5			28·5 34·2
3	9.249 0579	1751	9.250 0049	1808	0.743 9951		50 57	7 6	7			39.9
!	9.249 2330 9.249 4081	1751	9.256 1857 9.256 3665	1808	0.743 8143		3 57	5	8			45.6
;		1749	0.256 5472	1807	0 742 4528		57	4	9			51.3
,	9.249 7579	1749	9.256 7278	1806			02 57	3				
3	1 17 75	1749	9.230 9003	1805	0.743 0917			2				
	9.250 1075	1747	9.257 0888	1804	0.742 9112		57	-				
[.	9.250 2822		9.257 2692		10.742 7308	-	511	0				
١.	Cos.	d.	Cotang.	d. c.		Sin.	d.	S.				
1			54	19"	ı							
2		_		_			_	_			_	

					0,	41"	N						İ				
5,	Si		d.	Ta		d. c.	Cot		Co	os.	d.		İ				
0	9.250	2822	****	9.257	2692	1803	0.742	7308	9.993	0131	58	60		1800	179	0 17	780
1	9.250	4569	1747	9.257	4495	1803	0.742	5505	9.993	0073		59	I	180	17	9 1	178
2	9.250		1745	9.257		1802			9.993		57 57	58	2	360	35	8 3	356
3	9.250		1744	9.257		1801	0.742	-	9.992		57	57	3	540			534
4	9.250		1743	9.257		1800			9.992		57	56	4	720			712
5	9.251		1743	9.258		1800	0.741		9.992 9.992		57	55	5	1080		- 1	890 068
7	9.251		1742	9.258		1799			9.992		58	54 53	7	1260		· 1	246
8	9.251		1741	9.258		1799	0.741		9.992		57	52	8	1440		- 1	424
9	9.251	0	1740	9.258	8896	1797	0.741		9.992		57	51	9		161		602
0	9.252	_	1740	9.259		1797	0.740	9307	9.992	9558	58	50					
1	9.252	_	1739	9.259		1797	0.740	7510	9.992	9501	57	49	į .				
2	9.252	1 2 2 2 1	1738	9.259		1795	0.740	5715	9.992	9444	57 58	48		1779	176	0 1	750
3	9.252		1737	9.259	6080	1795			9.992		57	47	I	17	7 17	6 1	175
4	9.252		1737	9.259	7875	1793			9.992		58	46	2	354			350
5	9.252		1736	9.259		1793		0332			57	45	3	53			525
	9.253		1734	9.260		1792	1		9.992 9.992		58	44	4	88			700 875
8	9.253	100 100 100 1	1734	9.260		1792	0.739	0747 4955	9.992		57	43 42	5	1062			3/3 350
19	9.253		1734	9.260		1790	0.739		9.992		58	41	7	1239	-		225
20	9.253	7609	1732	9.260		1790	0.739	1375	9.992	8984	57	40	8	1416			100
21	9.253		1732	9.261		1790	0.738		9.992		58	39	9	159	3 158	4 15	575
22	9.254		1731	9.261		1789	0.738	7706	9.992	8868	58	38					
23	9.254	2802	1730	9.261		1788	0.738	6008	9.992	1188	57	37					
24	9.254		1730	9.261		1787		4221		8753	58 58	36	_ _	1745	174	0 1	735
25	9.254	6261	1729	9.261	7566	1786	0.738		9.992	8695	57	35	1	174			73 °
26	9.254		1728	9.261		1785	0.730	0648	9.992	8638	58	34	2	349			47
27	9.254		1727	9.262		1784	0.737		9.992		58	33	3	523'		1 7	20
28	9.255	200 200 4	1726	9.262		1784	0.737		9.992 9.992		58	32	4	698.0	1 -		94° 67°
29	9.255		1725	9.262		1784	0.737	5295			57	31	5 1		1044		
30	-	4895	1725	9.262		1782	0.737		9.992		58	30			1218		
31	9.255		1724	9.262		1782	0.737	1729	9.9 92 9.992	8207	58	29 28	8 1	396.0	1392	0 13	88.
33	9.255		1723	9.263		1781	0.736		9.992	8222	58	27	9 1	570	1 566	·0 15	61.
34	9.256		1723	9.263		1781			9.992		58	26	l				
35	9.256	3512	1722	9.263		1779			9.992		58	25	١.			. 1	_
36	9.256		1721	9.263		1779	0.736	2827	9.992	8059	58 58	24	_ -	1730			720
37	9.256		1720	9.263		1778	0.736		9.992		58	23	1	173		٠,	72.0
38	9.256	1 2 1 1 1 1	1719	9.264		1777	0.735		9.992	~~	58	22	2	346.0			44.0
39	9.257		1718	9.264		1776	0.735		9.992		58	21	3	519.0		~1 7	88.c
to	9.257		1718	9.264		1776	0.735	5717	9.992	7827	58	20	4	8650			60.c
11	9.257		1717	9.264		1775	0.735		9.992		58	19			1035		
12	9.257	5545	1716	9.264		1774	0.735		9.992		58	18	7 1	211.0	1207	.2 12	04.0
13	9.257	7261	1716	9.264	1282	1774	0.735		9.992		₹8	17 16	8 1	384.0	1380	0 13	76°C
14	9.257		1715	0.265	3155	1773	0.734		9.99 2 9.99 2		58	15	9 1	557	1552	·5 15	48.0
6	9.258	2406	1714	0.265	4927	1772	0 724		9.992	7478	59	14	İ				
17	9.258	4119	1713	9.265	6699	1772	0.734	3301	9.992	7420	58 58	13	İ				
18	9.258	5832	1713	9.265	8470	1771	0.734	1530	9.992	7362	5° 58	12	İ				
19	9.258	7544	1711	9.266	0240	1770	0.733	9760	9.992	7304	59	11	İ				
50	9.258	9255	1711	9.266		1	0.733	7990	9.992		58	10	_	_ _	57	58	_
;1	9.259	0966	1710	9.266	3779	1768	0.733	6221	9.992	7187	58 58	9		1	5.7	5.8	
	9.259	2676	1709	9.266	5547	1768	10.733	44531	9.992	7129	59	8			11'4	11.6	
	9.259		1709	9.266	7315			2685	9.992	7070	58	7		- 1	17'1	17'4	
	9.259		1708	9.200	9082	1766	0.733	0918	9.992	7012	58	6			22.8	23.5	
55	9.259	7002	1707	9.207	2612	1765	0.732	9152	9.992	6805	59	5			28.5	29°0	
	9.259		1706	9.267		1765	0.732	1507	9.992	6827	58	4	1	, ,	34 [.] 2	40.6	
	9.260	1	1706	9.267	6143	1 / 05		-0		60	59	3			15.6	46.4	
	9.260		1705	9.267	7906			2094	9.992	6720	58	I			21.3	52.5	
	9,260		1704	9.267		1763	0.732	0321	9.992	6661	59	-0	Ι,				
-	B.C.Company	THE RESERVE TO SHARE THE PARTY.	d.	Cota		d. c.	Tai		Sin		d.	s.					
					447 Fr.	u. v.							4				
	Co	3.			_	18"			<u> </u>				l				

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s.	Sın.	d.	Tang.	d. c.	Cotang.	Cos.	d.				
0	9.260 6330	1704	9.267 9669	1762	0.732 0331		58	60	_ 17	15 17	1705
I	9.260 8034	1703	9.268 1431	1762		9.992 6603	59	59		-, -	1.0 140.2
3	9.260 9737 9.261 1439	1702	9.268 3193 9.268 4954	1761		9.992 6544 9.992 6486	58	58 57		- -	12.0 241.0 13.0 211.2
4	9.261 3141	1702 1701	9.268 6714	1760 1760	0.731 3286	9.992 6427	59	56		6.0 68	84.0 682.0
5	9.261 4842	1700	9.268 8474	1759		9.992 6368	59 58	55			5.0 82.2
7	9.261 6542 9.261 8242	1700	9.269 0233 9.269 1991	1758		9.992 6310	59	54 53			6.0 1023.0
8	9.261 9941	1699	9.269 3749	1758		9.992 6192	59 59	52	8 137	2.0 136	8.0 1364.0
9	9.262 1639	1697	9.269 5506	1756	0.730 4494		58	<u>51</u>	9 1 54	3.2 123	39.0 1 534.5
10	9.262 3336	1697	9.269 7262	1755		9.992 6075	59	<u>50</u>			
I I I 2	9.262 5033	1696	9.269 9017 9.270 0772	1755	0.730 0983	9.992 6016 9.992 5957	59	49 48	17	00 16	695 1690
13	9.262 8425	1696 1695	9.270 2527	1755	0.729 7473		59	47	1 17	0.0 16	9.5 169.0
14	9.263 0120	1694	9.270 4280	1753 1753		9.992 5839	59 58	46			39.0 338.0
15 16	9.263 1814 9.263 3507	1693	9.270 6033 9.270 7786	1753		9.992 5781	59	45 44			8·5 507·0
17	9.263 5200	1693 1692	9.270 9537	1751	0.729 0463	9.992 5663	59	43	''	1 -	7.2 845.0
18	9.263 6892	1691	9.271 1288	1751		9.992 5604	59 59	42			7.0 1014.0
19 20	9.263 8583	1691	9.271 3038 9.271 4788	1750	0.728 6962	7 7 3 3 3 3	59	41			6.0 132.0 6.0 132.0
20 21	9.264 0274 9.264 1964	1690	9.271 4788	1749	0.728 5212	9.992 5486 9.992 5427	59	40 39			25.2 1251.0
22	9.264 3653	1689	9.271 8286	1749	0.728 1714		59	38			
23	9.264 5342	1689 1688	9.272 0033	1747	0.727 9967	9.992 5309	59 59	37	1 - 4	Q=1 =4	580 1675
24 25	9.264 7030 9.264 8717	1687	9.272 1780 9.272 3527	1747		9.992 5250 9.992 5190	66	36			58·0 167·5
26	9.265 0404	1687 1686	9.272 5272	1745		9.992 5131	59	35 34		- 1	36.0 332.0
27	9.265 2090	1685	9.272 7017	1745 1745	0.727 2983	9.992 5072	59 59	33	3 50	5.2 20	04.0 202.2
28	9.265 3775 9.265 5459	1684	9.272 8762 9.273 0506	1744	0.727 1238	9.992 5013	59	32			72.0 670.0 670.0
29 30	9.265 7143	1684	0.000.0040	1743	0.726 7751		60	31 30			98.0 1002.0
31	9.265 8826	1683	9.273 3991	1742		9.992 4835	59	29	7 117	9.5 117	76.0 1172.2
32	9.266 0509	1683 1682	9.273 5733	1742	0.726 4267	9.992 4776	59	28			14.0 1340.0 1507.5
33	9.266 2191	1681	9.273 7474	1741	0.726 2526	9.992 4717	59 60	27	91.2.	.0 3113	12 0 130 / 3
34 35	9.266 3872 9.266 5553	1681	9.273 9215 9.274 0955	1740		9.992 4657 9.992 4598	59	26 25	:		
36	9.266 7232	1679 1680	9.274 2694	1739 1738		9.992 4539	59 60	24			665 1660
37	9.266 8912	1678	9.274 4432	1738		9.992 4479	59	23			66.2 166.0
38 39	9.267 0590 9.267 2268	1678	9.274 6170 9.274 7908	1738	0.725 3030	9.992 4420 9.992 4360	60	22 21			33.0 332.0 99.2 498.0
40	9.267 3945	1677	9.274 9644	1736	0.725 0356		59	20	4 66	8.0 6	66.0 664.0
41	9.267 5622	1677 1675	9.275 1380	1736		9.992 4241	60	19	5 83		32.2 830.0
42	9.267 7297	1676	9.275 3116	1736 1734		9.992 4182	59 60	18			99.0 996.0 55.2 1165.0
43 44	9.267 8973 9.268 0647	1674	9.275 4850 9.275 6584	1734		9.992 4122 9.992 4063	59	17 16	8 133	6.0 13	32.0 1 328.0
45	9.268 2321	1674 1673	9.275 8318	1734	0.724 1682	9.992 4003	60	15	9 150	3.0 14	98.5 1494.0
46	9.268 3994	1672	9.276 0050	1732	0.723 9950	9.992 3943	59	14			
47 48	9.268 5666 9.268 7338	1672		1731	0.723 8217	9.992 3884 9.992 3824	60	13 12			
49	9.268 9009	1671	9.276 5245	1731	0.723 4755	9.992 3764	60	11			
50	9.269 0680	1671	9.276 6975	1730	0.723 3025		59 60	10		59	60
51	9.269 2350	1670 1660	9.276 8705	1730	0.723 1295	9.992 3645	60	9	1	5.9	6.0
- 7	9.269 4019	200	9.277 0434	1728	0.722 9566	9.992 3585 9.992 3525	60		2	11.8	18.0
	9.269 7355	1668 1667	9.277 2162 9.277 3889	1727		9.992 3525	59	7	3	23.6	24.0
	9.269 9022	1667	9.277 5616	1727	0.722 4384	9.992 3406	60	5	5	29.5	30.0
	9.270 0689	1666	9.277 7343 9.277 9068	1725		9.992 3346 9.992 3286	60	4	6	35'4	36.0
	9.270 2355	1665	9.277 9008	1725		9.992 3226	60	3	7 8	41.3	48.0
	9.270 5684	1664 1664	9.278 2518	1725	0.721 7482	9.992 3166	60	ī	9	23.1	54'0
	9.270 7348		9.278 4242	1724	The same of the sa	9.992 3106	200	0			
1	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	5,			
			5"	17"	4						

			0 %	43"								
5.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.	10				
0	9.270 7348	1663	9.278 4242	1777	0.721 5758	9.992 3106	60	65	1	715	1710	179
1	9.270 9011	1663	9.278 5965	1723	0.721 4035	9.992 3046	60	59	1 1	71'5	171	17
2	9.271 0674	1662	9.278 7687	1722	0.721 2313	9.992 2986	60	58	2 3	43'0	342	34
3	9.271 2336	1661	9.278 9409	1722	0.721 0591	9.992 2926	60	57	3 5	14.5	513	
4	9.271 3997	1660	9.279 1131	1720	0.720 8869		60	56	4 6	86.0	684	68
5	9.271 5657	1660	9.279 2851	1720		9.992 2806	60	55		57.5	855	
6	9.271 7317	1659	9.279 4571	1719		9.992 2746	60	54	4.1	A 22 C	1026	
7	9.271 8976	1659	9.279 6290	1719		9.992 2686	60	53	7 12	00,2	1197	119
8	9.272 0635	1658	9.279 8009	1718		9.992 2626	60	52			1368	
9	9.272 2293	1657	9.279 9727	1718	0.720 0273		60	51	9 15	43.5	1539	0 153
10	9.272 3950	1657	9.280 1445	1717	0.719 8555	9.992 2506	61	50				
11	9.272 5607	1656	9.280 3162	1716	0.719 6838	9.992 2445	60	49	6.			
12	9.272 7263	1655	9.280 4878	1715	0.719 5122	9.992 2385	60	48	I	700	1695	-!
13	9.272 8918	1655	9.280 6593	1715		9.992 2325	60	47	1 1	70.0	169.	5 16
14	9.273 0573	1654	9.280 8308	1715		9.992 2265	61	46		40.0	339	
15	9.273 2227	1653	9.281 0023	1713		9.992 2204	60	45		10.0	508	
10	9.273 3880	1653	9.281 1736	1713		9.992 2144	60	44		80.0	678	
17	9.273 5533	1652	9.281 3449	1713		9.992 2084	61	43		20.0		
18	9.273 7185	1651	9.281 5162	1711	Contract to the contract of	9.992 2023	60	42			1017	
19	9.273 8836	1651	9.281 6873	1712	0.718 3127		61	41			1186	
20	9.274 0487	1650	9.281 8585	1710	0.718 1415		60	40			1356	
21	9.274 2137	1649	9.282 0295	1 00 00	0.717 0705	9.992 1842	61	39	9115	300	1525	51152
22	9.274 3786	2.7.	9.282 2005	1710	0.717 7005		60	38				
23	9-274 5435	1648	9.282 3714	1709	0.717 6286	9.992 1721	61	37	110	co-1		
24	9.274 7083	1648	9.282 5423	1708	0.717 4577	9.992 1660	60	36		685	1680	-1
25	9.274 8731	1647	9.282 7131	1707	0.717 2869	9.992 1600	61	35		68.2	168.	
26	9.275 0378	1646	9.282 8838	1707	0.717 1162		60	34	1.7. M US	37.0	336	
27	9.275 2024	1645	9.283 0545	1706	0.716 9455		61	33	- 2	05.2	504	1 -
28	9.275 3669	1645	9.283 2251	1706	0.716 7749		61	32		74'0	672	
29	9.275 5314	1645	9.283 3957	1705	0.716 6043	9.992 1357	60	31		42.2	840	
30	9.275 6959	1 3 3 C C C	9.283 5662	1000	0.716 4338	9.992 1297	61	30	5 10	110	1008	01100
31	9.275 8602	1643	9.283 7366	1704	0.710 2034	9.992 1236	61	29	8 7	79.5	1176	3117
32	9.276 0245	1643	9.283 9070	1704	0.716 0930		60	28			1344	
33	9.276 1888	1641	9.284 0773	1703	0.715 9227	9.992 1115	61	27	31.2	10 31	1512	31130
34	9.276 3529	1641	9.284 2475	1702	0.715 7525	9.992 1054	61	26				
35	9.276 5170	1641	9.284 4177	1701	0.715 5823	9.992 0993	61	25	100	600 1	1665	1 . 6
36	9.276 6811	1639	9.284 5878	1701	0.715 4122	9.992 0932	61	24		670	_	
37	9.276 8450	1639	9.284 7579	1700	0.715 2421		60	23	100	67.0	166	-
38	9.277 0089	1639	9.284 9279	1699	0.715 0721	A 240 CALL THE STATE OF THE	61	22		34.0	333	
39	9.277 1728	1638	9.285 0978	1699	0.714 9022	9.992 0750	61	21	. 2	01.0	499	
40	9.277 3366	1000	9.285 2677	1698	0.714 7323	9.992 0689	61	20		68.0	666	1 -
41	9.277 5003	1637	9.285 4375	1698	0.714 5625	9.992 0628	61	19		35.0	832	· ·
12	9.277 6640	1637	9.285 6073		0.714 3927		1	18	100			
43	9.277 8275	1635	9.285 7769	1696	0.714 2231		61	17			1332	
14	9.277 9911	1636	9.285 9466	1697 1695	0.714 0534	9.992 0445	61	16			1498	
45	9.278 1545	1634	9.286 1161	1695	0.713 8839	9.992 0384	61	15	31-3	-3 -1	-430	J - ブブ ⁴
	9.278 3179	1634	9.286 2856	1695	O MIN MIAA	9.992 0323	61	14				
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48	9.278 6445	1632	9.200 0245	1693	0.1.3 3133	9.992 0201	61	12				
19	9.278 8077	1632	9.200 7930	1692	0.713 2062		62	11		. 4		_
50	9.278 9709		9.286 9630	The state of	0.713 0370		1.1	9 8		_	0	61
51	9.279 1340	1631	9.287 1322	1692	0 712 8678		61	9	1	(0.0	6.1
52	9.279 2970	1630	0 287 2014	1692	0 772 6086	9.991 9956	61	8	2		5.0	12.5
53	9.279 4599	1629	9.287 4704	1690	0 212 5206	9.991 9895	61	7	3		8.0	18.3
54	9.279 6228	1629	9.287 6395	1689		9.991 9834	62	6	4	24	1,0	24'4
55	9.279 7857	1629 1627	9.287 8084	1689	0.712 1916	9.991 9772	61	5	5		0,0	30.2
56	9.279 9484	1627	9.287 9773	1688	0.712 0227	9.991 9711	61	4	6		0,0	36.6
57	9.280 1111	1627	9.288 1461	1688	0.711 8539	9.991 9650	62	3	7 8			42'7
58	9.280 2738	1625	9.288 3149	1687			61	2				48·8
59	9.280 4363	1620	9.288 4836	1687	0.711 5164	9.991 9588	61	1	9	1 54	1.0	54'9
50	9.280 5988	1025	9.288 6523	100/	0.711 3477	9.991 9466	01	0				
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1 2480 7613 1624 2488 8904 1685 7,111 7016 9,919 9404 61 7 1 1655 1650 17 17 1 1 1 1 1 1 1	s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					i
1 2480 7613 1624 2488 8904 1685 7,111 7016 9,919 9404 61 7 1 1655 1650 17 17 1 1 1 1 1 1 1	0	9.280 5988	1605		1686	0.711 3477	9.991 9466	60	60	16	55	1650	1645
2 9.280 9.237 629 9.281 9.285 9.894 6660 623 9.281 1.00 620 9.281	11	9.280 7613					9.991 9404		59		_	165.0	1
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5 9.88 1405 6.21 9.28 6429 1682 0.710 3071 9.911 9.91 9.76 5.4 6.5 5.4 8.77 8.25 8.27 8.25 8.28 8.26 8.28 8.26 8.28 9.29 1682 0.710 0.87 9.91 8.79 5.5 5.4 7.11 8.27 1.25 1.11 1.25	•							61					
6 0.281 5726 1021 0.285 6629 1063, 79 2.81 5726 1073 79 2.81 5726 1073 79 2.81 580 1072 2.89 581 1072 2.89 581 1072 2.89 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 581 1072 2.80 1072 1								1		' I _			
7 9.281 7347 1020 9.289 9311 1082 9.281 9.28				9.289 6629				1				•	
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5 9.297 3203 1560 9.306 1939 1625 0.693 8061 9.991 2824 64 13 64 13 65 14 623 9.297 6324 1559 9.306 5187 1624 9.306 8432 1559 9.306 8432 1622 9.298 1001 1558 9.307 0054 1622 9.298 1011 1557 9.307 1675 1621 9.307 1675 1621 9.307 1675 1621 9.307 1675 1621 9.307 1675 1620 9.298 8784 1555 9.307 8155	14			9.305 8689			9.99	1 2952	اندا		9 14	13.0	1408.2	1404.0
7 9.297 6324 1559 9.306 3563 1624 0.693 6437 9.991 2760 64 12 0.693 4813 9.991 2632 64 12 0.693 1558 9.306 6810 1559 9.306 6810 1557 9.307 0054 1557 9.307 1675 1621 0.692 8325 9.991 2508 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 2 12.6 64 8 8 2 12.6 6	15		1560	9.300 0314	1625	0.093 96	9.99		64	114	l	٠,		
8 9.297 7883 7559 9.306 5187 1623 9.306 6810 1559 9.306 6810 1559 9.307 68432 1622 9.307 68432 1622 9.307 68432 1621 9.307 1675 1621 9.307 1675 9.307 1675 9.307 1675 9.307 1675 9.307 1675 9.307 1675 9.307 1620 0.692 8325 9.991 2440 64 8 2 12.6 12.8 2 2.298 8784 1555 9.307 4916 1620 0.692 5084 9.991 2376 64 64 25.2 25.6 65 9.298 8784 1555 9.307 8155 1619 0.692 3464 9.991 2312 64 64 65 55 31.5 32.0 6.692 3464 9.991 2288 64 64 65 55 31.5 32.0 6.692	17	9.297 4703	1561	9.300 1939	1624	0.603 64	37 0.00			1,				
9 9.297 9442 7539 9.306 6810 7559 9.306 6810 7559 9.306 8432 7558 9.298 8 116 7557 9.307 1675 7550	18	9.297 7883		9.306 5187	1624				1 04	1				
0 9.298 1601 1 1558 9.307 0.000	19	9.297 9442		9.306 6810		0.693 31	9.99	1 2632	64	11				_
1 9.298 2559 9.307 1675 1621 0.692 9946 9.991 2504 64 8 2 12.6 12.8 9.298 5673 1556 9.307 1675 1620 0.692 6704 9.991 2376 64 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 2376 64 7 7 3 18.9 19.2 0.692 5084 9.991 248 64 7 7 3 18.2 0.692 5084 9.991 248 64 7 7 3 18.2 0.692 5084 9.991 248 64 7	50								64	10				
2 9,298 4716	51	9.298 2559	1557	9-307 0054	100000				64	9	i			
3 9,298 7229 1556 9,307 4916 1620 0.692 5084 9,991 2312 64 6 6 7 4 25'2 25'6	52	9.298 4116		9.307 1675					64	اء ا	_		_ 1	
5 9.298 8784 1555 9.307 6536 1619 0.692 3464 9.991 2248 64 64 5 6 37.8 38.4 9.299 1893 1554 9.307 9774 1618 9.299 5000 0.692 1845 9.308 1392 1618 9.299 5000 0.692 1845 9.308 1392 1617 9.308 1392 1617 9.308 3009 1617 9.308 3009 1617 9.308 4626 1617 9.308		9.298 5073	1556						64	6				
6 9.299 0.339 1555 9.307 8155 1619 0.692 1845 9.991 2184 64 4 6 37.8 38.4 9.299 1893 1554 9.307 9774 1618 0.692 0.226 9.991 2120 64 3 7 44.1 44.8 9.299 5000 0.999 0.593 1553 9.308 3009 1617 0.691 5374 9.991 1991 0.691 5374 9.991 1991 0.691 5374 9.991 1991 0.691 5374 0.691 5374 0.691 5374 0.691 0.6	55			9.307 6536	2.				104			31	1.5	32.0
7 9.299 1893 1554 9.307 9774 1618 0.692 0226 9.991 2120 64 3 77 4441 44.8 9.299 3447 1553 9.308 1392 1617 0.691 8608 9.991 2056 65 0.691 8608 9.991 2056 65 0.691 8608 9.991 2056 65 0.691 6991 9.991 1991 64 0 0.691 6991 9.991 1991 64 0 0.691 6991 9.991 1927 64 0 0.691 6991 9.9	56			9.307 8155		0.692 18	15 9.99	1 2184	64	4		37	7.8	38.4
8 9.299 3447 1553 9.308 1392 1617 0.691 8008 9.991 2050 65 1 5 7 6 9.299 6553 1553 9.308 4626 1617 0.691 8008 9.991 1991 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0 0.691 5374 9.991 1927 64 0 0.691 5374 9.991 9.991 9.991 9.991 9.991 9.991 9.991 9.991 9.991 9.991 9.991 9.	57	9.299 1893		9.307 9774		0,692 02	6 9.99	1 2120	64	3	7			
Cos. d. Cotang. d. c. Tang. Sin. d. Sin. d. Sin. Cos. C		Property Commence Com		9.308 1392					1 - 1	2		50	5.7	
Cos. d. Cotang. d. c. Tang. Sin. d. s.	59						_		64	_	9	1 2,	- / ;) V
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s.	Sin		d.	Tar	ıg.	d. c.	Cota	ang.	Co	s.	d.						
0	9.299	6553	,,,,	9.308	4626	1616	0.691	5374	9.991	1927	64	60		1615	161	0	1605
I	9.299	8105	1552	9.308		1616	0.691	3758	9.991	1863	64	59	1	161.		1.0	160.2
2	9.299		1552	9.308		1615			9.991	1799	65	58	2	323			321.0
3	9.300		1550	9.308	9473	1615	1	~ .	9.991		64	57	3	484	- 1 -	- 1	481.2
4	9.300 9.300		1550	9.309 9.309		1614			9.991 9.991		65	56 55	5	646° 807°			642°0
5	9.300		1549	9.309		1614				1541	64	54	6	969	·		
7	9.300		1548 1548	9.309		1613	1 -	-	9.991	•	64 65	53	7				1123.2
8	9.300	8953	1548	9.309		1612			9.991		64	52		•	1		1284.0
9	9.301		1547	9.309		1611	1		9.991		65	51	9	453	5 1449	3.o	1444.2
10	9.301	2048	1546	9.310	0764	1611	0.689			1283	64	50					
11	9.301		1546	9.310		1610		7625			65	49	_ .	1600	-!	95	1590
12	9.301		1545	9.310		1610			9.991		64	48	I	160.		1	159.0
13	9.301 9.301		I 544	9.310 9.310		1609			9.991		65	47 46	2	320			318.0
15	9.301		1544	9.310		1609			9.991		64	45	3	480°		8.0	477°0
	9.302		1544	9.311	-	1608 1608	0.688	9579	9.991	0896	65 65	44	5	800.			795.0
17	9.302		1543 1542	9.311		1606			9.991		64	43	6	960	95	7:0	954.0
Hi I	9.302		1542	9.311		1607	0.688				65	42					1113.0
19	9.302		1541	9.311		1606			9.991		65	41					1272'0
20	9.302		1541	9.311		1605	0.688	3152			65	40	9	1440	143	5 5 1	1431'0
21	9.302		1540	9.311 9.312		1605	0.688		9.991 9.991		64	39					
22 23	9.303		1539	9.312		1604	0.687	8338	9.991	0442	65	38 37					
	9.303		1539	9.312		1604			9.991		65	36	l,			1	
	9.303		1538 1538	9.312	4869	1603 1603	0.687	5131	9.991		65 65	35	- -	1550	-	_	1540
	9.303		1537	9.312		1602	0.687	3528	9.991		65	34	1	310		9.0	308.0
27	9.303		1537	9.312		1601			9.991		64	33	3	465	1 '		462.0
28	9.303 9.304		1536	9.312		1601		0325 8724			65	32 31	4	620	1 2 2		616.0
<u>29</u>	9.304		1535	9.313		1601	0.686	7123	9.990		65	30	5	775	77:	2.2	770 .0
30			1535	_		1599	0.686				65	29	6	930			924.0
31 32	9.304 9.304		1534	9.313 9.313		1600			9.990 9.990		65	28					1078'0 1232'0
	9.304		1534	9.313		1599		2325			65 65	27		1 240 °	0 1 300	0.2	1386.0
	9.304		1533 1533	9.313		1598 1598	0.686	0727	9.990		66	26	71	- 393	-1-39	- 51	-3
	9.305		1532	9.314		1597		9129			65	25	l i	1535	15	20	1525
	9.305		1532	9.314		1597		7532			65	24	1	153.		3.0	152.2
37 38	9.305 9.305		1531	9.314 9.314	5661	1596		4339	9.990 9. 9 90		65	23	2	307		- 1	302.0
39	9.305	6659	1530	9.314	7256	1595		2744			65	21	3	460			457.5
40	9.305	8189	1530	9.314		1595		1149			65	20	4	614	612		610.0
41	9.305		1529	9.315		1595	0.684				66	19	5	767		2.0	762.5
	9.306		1529	9.315		1594			9.990		65 65	1 Ś	6	921			
43	9.306	2775	1528 1528	9.315	3633	1593		6367			65	17					1067.2 1067.2
	9.306		1527	9.315	5226	1593			9.990		66	16	9	1381.	5 1 377	7.0	1 372'5
45	9.306	5830	1526	9.315		1592			9.990		65	15	ĺ .				0. 5
40 47	9.306 9.306	7350 8882	1526	9.315 9.316	8410	1591			9.990		65	14					
48	9.307	0407	1525	9.316	1592	1591	0.683	8408	9.990	8815	66	12					
	9.307	1932	1525	9.316	3182	1590			9.990	8750	65 66	11					
<u>49</u> 50		3456	1524	9.316		1590	0.683					10	-		65 1	(66
151	9.307	4980	1524	9.316	6361	1589 1589	0.683	3639	9.990	8619	65 66	9	17	1	6.5		6.6
j :	9.307	6503	1523 1523	9.316	7950	1588	0.683	2050	9.990	8553			10		13.0		3'2
3	9.307	8026	1522	9.316	9538	1587	0.683	0462	9.990	8488	65 66	7	10	-	19.5		9.8
}	9.307	9548	1521	9.317	1125	1587	0.082	2288	9.990 9.990	8422	65	6			32.2		6·4
3	9.308 9.308	2500	1521	9.317 9.317	4200	1587	0.682	5701	9.990	8201	66	5			39'0		9.6
,	9.308	4111	1521	9.317	5885	1586	0.682	4115	9.990	8226	65	3		7 .	15'5	4	6.5
3	9.308	5630	1519 1520	9.317	7470	1585	0.682	2530	9.990	8160	66	2		8	52.0	-	2.8
	9.308	7150	1518	9.317	9055	1585	0,682	0945	9,990	8094	65	1	13	9 .	58.2	5	9.4
	9.308	8668		9.318	0640	. 505			9.990	8029	-3	0					
]	Cos	3.	d.	Cota	ng.	d. c.	Tar	ng.	Si	n.	d.	5.					
•					5^	13"	ı		7-3								
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			0'	47	1			1				
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.308 8668	1518	9.318 0640	1583	0.681 9360	9.990 8029	66	60	1	585	1580	1575
1	9.309 0186	1518	9.318 2223	1584	0.681 7777		66	59	1 1	58.2	158.0	
2	9.309 1704	1517	9.318 3807	1582		9.990 7897	66	58		17.0	316.0	
3	9.309 3221 9.309 4737	1516	9.318 5389 9.318 6972	1583	0.681 4611	9.990 7831 9.990 7766	65	57	1 -	75.5	474.0	1 2 -
5	9.309 6253	1516	9.318 8553	1581	0.681 1447	9.990 7700	66	56 55		34.0	790.0	1 1
6	9.309 7769	1516	9.319 0135	1582	0.680 9865	9.990 7634	66	54		21.0	948.0	
7	9.309 9283	1514	9.319 1715	1580 1580	0.680 8285	9.990 7568	66	53	7 110	9.2	1 100.0	1102.2
8	9.310 0798	1513	9.319 3295	1580	0.680 6705		66	52				1 260.0
9	9.310 2311	1514	9.319 4875	1579	0.680 5125		65	51	9 142	26.2	1422.0	1417-5
10	9.310 3825	1512	9.319 6454	1579	0.680 3546		66	50				_
I I I 2	9.310 5337 9.310 6849	1512	9.319 8033	1578	0.680 1967	9.990 7305	66	49		570	1565	1560
13	9.310 8361	1512	9.319 9611 9.320 1188	1577	0.000 0309	9.990 7239 9.990 7173	66	48	1 1 '	57.0	156.2	
14	9.310 9872	1511	9.320 2765	1577	0.679 7235	9.990 7107	66	47 46		14.0	313.0	
15	9.311 1382	1510	9.320 4342	1577	0.679 5658	9.990 7041	66 67	45		28.0	469°5	
T1 1	9.311 2892	1509	9.320 5918	1576	0.679 4082	9.990 6974	66	44		85.0	782.2	
17 18	9.311 4401	1509	9.320 7493	1575	0.679 2507		66	43	6 94	12.0	939.0	9360
19	9.311 5910 9.311 7418	1 508	9.320 9068 9.321 0642	1574	0.679 0932	9.990 6842 9.990 6776	66	42	7 100	99.0	1095.2	1092.0
20	9.311 8926	1508	9.321 2216	1574	0.678 7784		66	41	8 12	20.0	1252.0	1248'0
21	9.311 0920	1507		1573	0.678 6211	9.990 6710	66	40	91141	150	400.5	1404.0
22	9.312 1940	1507	9.321 3789 9.321 5362	1573	0.678 4638		66	39 38				
23	9.312 3446	1506	9.321 6934	1572	0.678 3066		67	37	1			
24	9.312 4951	1505	9.321 8506	1572		9.990 6445	66 66	36	١	raa 1		
25	9.112 6456	1505	9.322 0077	1571	0.677 0923	9.990 6379	66	35		520	1515	
26	9.312 7961	1503	9.322 1648	1570	0.677 8352	9.990 6313	67	34		52.0	303.0	302.0
27 28	9.312 9464 9.313 0968	1504	9.322 3218 9.322 4788	1570		9.990 6246 9.990 6180	66	33		56.0	454.2	
29	9.313 2471	1503	9.322 6357	1569	0.677 3643		67	32 31		0.80	606.0	
30	9.313 3973	1502	9.322 7926	1569	0.677 2074	9.990 6047	66	30	5 79	60.0	757'5	
31	9.313 5474	1501	9.322 9494	1568		9.990 5981	66	<u>30</u> 29		12.0	909.0	
32	9.313 6976	1502	9.323 1061	1567	0.676 8939	9.990 5914	67	28	7 100	16.0	1000.2	1057.0
33	9.313 8476	1500 1500	9.323 2628	1567	0.676 7372	9.990 5848	66	27	0 13	68.0	1 363.2	13590
34	9.313 9976	1500	9.323 4195	1566	0.676 5805	9.990 5781	66	26	71-3		- 3-3 3	1-339
35 36	9.314 1476 9.314 2 975	1499	9.323 5761	1566		9.990 5715	67	25	1	505	1500	1405
37	9.314 4473	1498	9.323 7327 9.323 8892	1565	0.076 2073	9.990 5648 9.990 5582	66	24 23		50.2	120.0	
38	9.314 5971	1498	9.324 0456	1564	0.675 9544		67	22		01.0	300.0	
39	9.314 7468	1497	9.324 2020	1564	0.675 7980		67	2 I		51.2	450.0	448.5
40	9.314 8965	1497	9.324 3584	1564	0.675 6416		66	20	4 60	02.0	600.0	598.0
41	9.315 0462	1497	9.324 5146	1562	0.675 4854		67	19		52.2	750.0	
42	9.315 1957	1495	9.324 6709	1563 1562	0.675 3291	9.990 5248	67 66	1 Ś		03.0	900,0	897.0 1046.5
43	9.315 3453	1494	9.324 8271	1561	0.675 1729		67	17	8 120	04.0	1 20 0,0	1196.0
44 45	9.315 4947 9.315 6441	1494	9.324 9832	1561	0.675 0168 0.674 8607		67	16				1345.2
46		1494		1560	0 674 7047		67	15 14	l			
47	9.315 9428	1493	9.325 4513	1560	0 674 F487	9.990 4915	66	13	1			1
48	9.316 0921	1493 1491	9.325 6073	1560	0.674 3927	9.990 4848	67	12				1
49	9.316 2412	1491	9.325 7632	1559	0.674 2368	9.990 4781	67 67	11				
50	9.316 3904	1491	9.325 9190	1558	0.074 0010		67	10		6	6	67
51	9.316 5395	1490	9.326 0748	1557	0.673 9252	9.990 4647	67	9	1	6	6	6.7
	9.316 6885	1490	9.320 2305	1557	0.673 7695	9.990 4580	67	1	2			3'4
53	9.316 8375 9.316 9864	1489		1556	0.673 6138		67	7	3	19		50,1
54 55	9.317 1353	1489		1556	0.673 3026	9.990 4446 9.990 4379	67	6	4	26	• 1	26.8
56	9.317 2841	1488 1488	9.326 8529	1555	0.673 1471	9.990 4312	67	5	5	33	6	33'5 10'2
57	9.317 4329	1487	9.327 0084	1555	0.672 9916	9.990 4245	67 67	3	7	46		6.9
58	9.317 5816	1487	9.327 1030	1554 1554	0.672 8362	9.990 4178	67	2	8	52	8 5	3.6
<u>59</u>	9.317 7303	1486	9.327 3192	1553	0.672 6808		67		9	59		io·3
<u></u>	9.317 8789		9.327 4745			9.990 4044		_ 0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				
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			0	48"	N.				7			
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.317 8789	1486	9.327 474			9.990 4044	67	60	1	555	1550	1545
1	9.318 0275	1485	9.327 6298	1552	0.672 3702		67	59		55.2	155.0	1
	9.318 1760 9.318 3244	1484	9.327 7850	1552		9.990 3910 9.990 3842	68	58		66.2	310.0	
	9.318 4728	1484	9.327 940	11661		9.990 3842	67	57 56	- 1 :	22.0	620.0	
	9.318 6212	1484	9.328 2504	1551		9.990 3708	67	55	. 1	77.5	775	
	9.318 7695	1483 1482	9.328 4054	1550		9.990 3641	67 68	54		33.0		
	9.318 9177	1482	9.328 5604			9.990 3573	67	53				1081.2
	9.319 0659	1481	9.328 715	1 7 7 40		9.990 3506	67	52				1236.0
	9.319 2140	1481	9.328 8702	1548		9.990 3439	68	51	9113	99 31	1395	1 390.2
10	9.319 3621	1480	9.329 0250	11547	0.670 9750		67	50	١	!		1
I I I 2	9.319 5101	1480	9.329 1797		0.670 8203	9.990 3304 9.990 3237	67	49 48		540	1535	
	9.319 8060	1479	9.329 334! 9.329 489!	1540		9.990 3237	68	47		54°0	307.0	
	9.319 9539	1479	9.329 643	1540		9.990 3102	67 68	46		62.0	460.5	, -
	9.320 1017	1478 1478	9.329 798			9.990 3034	67	45	- 1	16.0		1 100
	9.320 2495	1477	9.329 9528	TEAR		9.990 2967	68	44	5 7	70.0	767.5	
	9.320 3972	1477	9.330 1073	TEAA	1	9.990 2899	67	43		24.0		
	9.320 5449 9.320 6925	1476	9.330 2 617 9.330 4161	7 7 4 4		9.990 2832	68	42 41				1071.0
20	9.320 8400	1475		14545	0.669 4296		67	4· 40	0 12	ა∠ ი 86.0	1381.0	1224.0
i	9.320 9875	1475	9.330 5704	11543	0.669 2753		68	-	91.3	00 01	• 30• 3	91.377
	9.320 9075	1475	9.330 7247 9.330 8789	1542	0.660 1211	9.990 2561	68	39 38				
•	9.321 2824	1474	9.331 0330	1.241		9.990 2494	67 68	37				
	9.321 4297	1473	9.331 1872	1542	0.668 8128	9.990 2426	68	36	1.	490	1485	1480
	9.321 5770	1473	9.331 3412		0.668 6588	9.990 2358	68	35		49'0	148.5	-
	9.321 7243	1472	9.331 495	1540	0.668 5048	9.990 2290	67	34		98.0	297.0	1 .
	9.321 8715 9.322 0186	1471	9.331 6492 9.331 8031	1 1 2 20	0.008 3508	9.990 2223 9.990 2155	68	33 32		47.0	445'5	1 -
	9.322 1657	1471	9.331 9570	1,233	0.668 0430	9.990 2087	68	31	4 5	96.0	594.0	592.0
	9.322 3127	1470	9.332 1108	1330	0.667 8892		68	30	21 2	45.0	742.5	
	9.322 4597	1470	2 222 2646			9.990 1951	68	29		94.0	-	
	9.322 6066	1469	9.332 4183	1.001	0.667 5817	9.990 1883	68 67	28				1184.0
	9.322 7535	1469 1468	9.332 5720	1526		9.990 1816	68	27		- 1	_	1332.0
	9.322 9003	1468	9.332 7250	1525		9.990 1748	68	26		•	•	
	9.323 0471	1467	9.332 8791	1526		9.990 1680	68	25	1 1.	475	1470	1465
	9.323 1938 9.323 3405	1467	9.333 0327 9.333 1861	1534		9.990 1612 9.990 1544	68	24 23		47.5	147.0	
	9.323 4871	1466		1 - 333		9.990 1476	68	22		95.0	294.0	
	9.323 6337	1466	9.333 4929	1233	0.666 5071	9.990 1408	68	2 I	3 4	42.2	441.0	
	9.323 7802	1465	9.333 6463	1-334	0.666 3537	9.990 1339	69 68	20		00.0	588.0	1 -
_	9.323 9267	1465	9.333 7995	1332	0.666 2005	9.990 1271	68	19		37.2 85.0	735°C	
	9.324 0731	1464 1463	9.333 9528		0.666 0472	9.990 1203	68	18				1025.2
	9.324 2194	1463	9.334 1059	1532		9.990 1135	68	17				1172.0
	9.324 3657	1463	9.334 259	1530		9.990 1067 9.990 0999	68	16 15	9 13	27.2	1323.0	1318.5
	9.324 5120	1462	9.334 4121	1,23.		9.990 0930	69	14	10			
47	9.324 8044	1462	9.334 7181	13-9	0.665 2819	9.990 0862	68 68	13				
48	9.324 9505	1461	9.334 8711	1528	0.665 1289	9.990 0794	68	12				
	9.325 0965	1460	9.3333	1520	0.664 9761		69	11				
	9.325 2425	1460	9.335 1768	1528	0.664 8232		68	10		_	8	69
51	9.325 3885	4.25	9.335 3296	2 4 4 27		9.990 0589	68	9	1		5.8	6.9
52	9.325 5344	0	4.555 402		The second of the second	9.990 0521	69		2			13.8
-31	9.325 6802	0	9.333 033	1526		9.990 0452	68	7 6	3			27.6
-1	9.325 8260	1457		1526		9.990 0315	69	5	5 6			34'5
	9.325 1174	1457	0.326 002	1525		9.990 0247	68 69	4			8.0	41'4
	9.326 2631	1457	9.336 245	1525		9.990 0178	68	3	7 8	100		48.3
- 1	9.326 4087	1455				9.990 0110	69	2				55'2
	9.326 5542	1455	3.330 330	1700	0.003 4499	9.990 0041	68	1	9	1 01	1'2	62'1
1	9.326 6997	733	9.336 7024			9.989 9973		0				
I	Cos.	d.	Cotang.	d. c.		Sin.	d.	S.				
Ī			5	11"	ı							

			0'	49"	n							
s.	Sin.	d.	Tang.	d. c.	Cotang.	Co s .	d.					
0	9.326 6997	· I A E A	9.336 7024	1522	0.663 2976	9.989 9973	69	60	15	25	1520	1515
1		1454	9.336 8547	1523		9.989 9904	68	59	1 15	2.2	152.0	151.2
2	9.326 9905 9.327 1358	TAES	9.337 0069	1522	0.662 9931	9.989 9836	69	58		5.0	304.0	, -
3	9.327 2811	1455	9.337 1591 9.337 3113	1522	0.662 6887	9.989 9767 9.989 9698	69	57 56		7·5	456°0	
5	9.327 4264	1453	9.337 4634	1521		9.989 9630	68	55		2.2	760.0	1
6			9.337 6154	1520	0.662 3846	9.989 9561	69 60	54	31 .	5.0	912.0	
7	9.327 7167	1450	9.337 7674	1520	0.662 2326	9.989 9492	69	53	7 106	7.2	064.0	1060-2
9	9.327 8617 9.328 0068	1451	9.337 9194 9.338 0713	1519	0.661 9287	9.989 9423 9.989 9355	68	52	0 122	0.0 1	210.0	1212.0
10	9.328 1518	1450	9.338 2232	1519	0.661 7768	9.989 9333	69	51 50	91.37	- 31.	3000	1.303 3
11		1449	9.338 3750	1518		9.989 9217	69	3° 49	1 15	10	1505	1500
12	9.328 4416	1449	9.338 5267	1517		9.989 9148	69	48		1.0	120.2	120.0
	9.328 5864	1448	9.338 6784	1517	0.661 3216	9.989 9079	69 69	47		2.0	301.0	_
	9.328 7312	1447	9.338 8301	1516		9.989 9010	68	46		3.0	451.2	_
	9.328 8759 9.329 0206	1447	9.338 9817 9.339 1333	1516		9.989 8942 9.989 8873	69	45		4'0	602.0	
	9.329 1652	1446	9.339 2848	1515		9.989 8804	69	44 43		5.0	752.2	750.0
	9.329 3098	1446	9.339 4363	1515	0.660 5637	9.989 8735	69 69	42			903.0	9 00 0
19	9.329 4543		9.339 5877	1514	0.660 4123	9.989 8666	69	41	8 1 20	8.0 1	204'0	12000
20	9.329 5988	1444	9.339 7391	1513	0.660 2609	9.989 8597	70	40				1350.0
21	9.329 7432	1443	9.339 8904	1513	0.660 1096	9.989 8527	69	39				
22 23	9.329 8875 9.330 0319	1444	9.340 0417 9.340 1929	1512	0.659 9583	9.989 8458 9.989 8389	69	38				
24	9.330 1761	1442	9.340 3441	1512		9.989 8320	69	37 36		1	1	
25	9.330 3204	1443	9.340 4953	1512 1511	0.659 5047	9.989 8251	69 69	35		60	1455	1450
	9.330 4645	1442	9.340 6464	1510		9.989 8182	69	34		6.0 5.0	145°5 291°0	145°0
27 28	9.330 6087 9.330 7527	1440	9.340 7974 9.340 9484	1510		9.989 8113 9.989 8043	7Ó	33		8.0	436.2	4350
29	9.330 8967	1440	9.341 0993	1509	0.658 9007	9.989 7974	69	32 31		4.0	582.0	280.0
30	9.331 0407	1440	9.341 2502	1509	0.658 7498	9.989 7905	69	30		0.0	727.5	725.0
31	9.331 1846	1439	9.341 4011	1509	0.658 5989	9.989 7836	69	29			873.0	870°0
	9.331 3285	1439	9.341 5519	1508 1508		9.989 7766	70 69	2Ś	8 116	8.0 1	164.0	1160.0
100	9.331 4723 9.331 6161	1438	9.341 7027 9.341 8534	1507	0.658 2973	9.989 7697	70	27				1305.0
34 35	9.331 7598	1437	9.341 0534	1506		9.989 7627 9.989 7558	69	26 25				
	9.331 9035	1437	9.342 1546	1506 1506		9.989 7489	69	24	14	45	1440	1435
37	9.332 0471	1436	9.342 3052	1505		9.989 7419	70 69	23		4.2	144.0	143.2
38	9.332 1907 9.332 3342	1435	9.342 4557 9.342 6062	1505		9.989 7350	70	22	1 1	9.0	288.0	287.0
<u>39</u> 40	9.332 4777	1435	9.342 7566	1504	0.657 3938	9.989 7280 9.989 7211	69	21		3.2 8.0	432°0	430°5 574°0
	9.332 6211	1434	9.342 7300	1504	0.657 0930	9.989 7141	70	20	5 72	2.2	720.0	717.5
	9.332 7645	1434	9.342 9573	1503	0.656 9427		69	19	6 86		864.0	861.0
43	9.332 9078	1433	9.343 2076	1503	0.656 7924	9.989 7002	70	17				1004.2 1148.0
44	9.333 0511	1432	9.343 3578	1502	0.656 6422	9.989 6932	70 69	16				1291.2
45 46	9.333 1943 9.333 3375	1432	9.343 5080 9.343 6582	1502	0.656 3418	9.989 6863 9.989 6793	70	15		51-	<i>-</i> 1	, ,
47	9.333 4806	1431	9.343 8083	1501	0.656 1917	9.989 6723	70	14				i
48	9.333 6237	1430	9.343 9583	1500	0.656 0417	9.989 6654	69 70	12				
<u>49</u>		1430	9.344 1083	1500	0.655 8917	9.989 6584	70 70	11	l .	_		
	9.333 9097	1420	9.344 2583	1499	0.655 7417	9.989 6514	70	01		68		69
51	9.334 0526	1429	9.344 4082	1498	0.655 5918	9.989 6444	70	9 8	1		8	6.9
53	9.334 1955 9.334 3383	1428	9.344 5580 9.344 7079	1499	0.655 2021	9.989 6374 9.989 6305	69	7	3	13°		3·8 II :0·7
54	9.334 4811	T 400	19.344 03/0	1497	0.655 1424	9.989 6235	70	6	4	27		7.6
55	9.334 6238	1.427	9.345 0073	1497	0.654 9927	9.989 6165	70 70	5	5	34	·o 3	4.2
	9.334 7665 9.334 9091	1	9.345 1570	1496	0.054 8430	9.989 6095	70	4	6	40		.1°4 .8°3
	9.334 9091	1426	9.345 3066 9.345 4562	1496		9.989 5955	70	3	7 8	47 54		5·2
59	9.335 1943	1426	9.345 6058	1496	0.654 3942		70	1	9	61		2.I
60	9.335 3368	1425	9.345 7552	1494	0.654 2448	9.989 5815	70	0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				
			5	10"	ı							

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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.335 3368		9.345 7552		0.654 2448	9.989 5815		60	1	1495	1490	1485
1	9.335 4792	1424 1424	9.345 9047	1495	0.654 0953	9.989 5745	70 70	59	I	149.5	149'0	148.5
2	9.335 6216	1423	9.346 0541	1494 1493		9.989 5675	70	58	2	299'0	298.0	297.0
3	9.335 7639	1423	9.346 2034	1493		9.989 5605	70	57	3	598·0	447.0	445.5
4 5	9.335 9062 9.336 0484	1422	9.346 3527 9.346 5020	1493		9.989 5535 9.989 5465	70	56 55	4	747.5	596.0	594.0 742.5
6	9.336 1906	1422	9.346 6512	1492		9.989 5395	70 71	54	6	897.0	894.0	
7	9.336 3328	1422 1421	9.346 8003	1491		9.989 5324	70	53			1043'0	
8	9.336 4749	1420	9.346 9494	1491	0.653 0506		70	52			1192.0	
9	9.336 6169	1420	9.347 0985	1490	0.652 9015		70	51	911	345 51	13410	1336.2
10	9.336 7589	1420	9.347 2475	1490	0.652 7525		71	50		e . i	1	
I I I 2	9.336 9009 9.337 0428	1419	9.347 39 ⁶ 5 9.347 5454	1489	0.652 6035	9.989 5043 9.989 4973	70	49 48	- -	1480	1475	1470
13	9.337 1846	1418	9.347 6943	1489		9.989 4903	70	47	2	148.0 296.0	147.5 295.0	147'0 294'0
	9.337 3264	1418 1418	9.347 8432	1489		9.989 4833	70 71	46	3	444.0	442.2	441.0
	9.337 4682	1417	9.347 9919	1488		9.989 4762	70	45	4	592.0	590.0	588°o
23 .	9.337 6099	1416	9.348 1407 9.348 2894	1487	0.051 8593	9.989 4692 9.989 4621	71	44	5	740.0	737.5	735°O
18		1416	9.348 4380	1486	0.651 5620	9.989 4551	70	43 42	6	0.988	-	882'0 882'0
19	9.338 0347	1416	9.348 5866	1486	0.651 4134		71	4 I				1176.0
20	9.338 1762	1415	9.348 7352	1486	0.651 2648	9.989 4410	70	40				1323.0
21	9.338 3177	1415 1414	9.348 8837	1485	0.651 1163	9.989 4339	71 70	39	İ			
22	9.338 4591	1413	9.349 0322	1484		9.989 4269	71	38			•	
23	9.338 6004 9.338 7418	1414	9.349 1806	1484		9.989 4198 9.989 4128	70	37 36		_		
	9.338 8830	1412	9.349 3290 9.349 4773	1483		9.989 4128	71	35	_ _	1430	1425	1420
	9.339 0243	1413 1411	9.349 6256	1483 1482	0.650 3744	9.989 3987	70 71	34	1	143'0	142.2	142.0
27	9.339 1654	1411	9.349 7738	1482		9.989 3916	71	33	2	286.0	285.0	284.0 426.0
28	9.339 3065	1411	9.349 9220	1482	0.650 0780 0.649 9298	9.989 3845	71	32	3	429°0	427°5 570°0	568·0
<u>29</u>	9.339 4476 9.339 5887	1411	9.350 0702	1481	0.649 7817		70	31	5	715.0	712.2	710.0
30		1409	9.350 2183	1480	0.649 6337	9.989 3704 9.989 3633	71	30	6	858.0	855.0	852.0
31 32	9.339 7296 9.339 8706	1410	9.350 3663 9.350 5143	1480	0.649 4857		71	29 28	1 1	1001.0		994.0
33	9.340 0115	1409	9.350 6623	1480		9.989 3491	71 70	27				1278.0
	9.340 1523	1408	9.350 8102	1479	0.649 1898		71	26		, ,		
35	9.340 2931	1407	9.350 9581	1478		9.989 3350 9.989 3279	71	25	ı	1415	1410	1405
36 37	9.340 4338 9.340 5745	1407	9.351 1059 9.351 2537	1478		9,989 3279	71	24 23		141.2	141'0	140.2
38	9.340 7152	1407 1405	9.351 4014	1477	0.648 5986	9.989 3137	71 71	22	2	283.0	282.0	281.0
<u>39</u>	9.340 8557	1405	9.351 5491	1477 1477	0.648 4509	9.989 3066	71	21	3	424'5	423'0	421.2
40	9.340 9963	1405	9.351 6968	1476	0.648 3032		71	20	4	566.0	564.0	562.0 702.5
41	9.341 1368	1405	9.351 8444	1475	0.648 1556		71	19	6	849.0	846.0	843.0
42	9.341 2773	1404	9.351 9919	1475	0.648 0081	9.989 2853 9.989 2782	71	18 17	7	990.2	987.0	983.2
43 44	9.341 4177 9.341 5580	1403	9.352 1394 9.352 2869	1475		9.989 2711	71	16				1124'0
45	9.341 6983	1403 1403	9.352 4343	1474 1474	0.647 5657	9.989 2640	7 I 7 I	15	9 1	273.5	1209.0	1264.5
46	9.341 8386	1403	9.352 5817	1474		9.989 2569	71	14				
47 48	9.341 9788 9.342 1190	1402	9.352 7290 9.352 8763	1473	0.647 2710	9 989 2498 9.989 2427	71	13 12			•	
	9.342 1190	1401	9.352 6703	1473	0.646 9764		72	11				
50	9.342 3992	1401	9.353 1708	1472	0.646 8292		7 I	10		70	71	72
51		1400	9.353 3179	1471		9.989 2213	71		1	7.0	7.1	7.2
١٠.	9.342 6792	1400 1399	9.353 4650	1471	0.646 5350	9.989 2142	71 72	9 8	2.	14.0	14.5	14'4
	9.342 8191	1399 1399	9.353 6121	1471		9.989 2070	71	7	3	21'0	21.3	21.6
	9.342 9590		9.353 7591	1469		9.989 1999 9.989 1928	71	6 5	4	35.0	28·4 35·5	28·8 36·0
	9.343 0988 9.343 2386	1398	9.353 739- 9.353 9060 9.354 0530	1470		9.989 1928	72	4	5 6	42.0	42.6	43'2
	9.343 3783	1397	9.354 1998	1468	0.645 8002	9.989 1785	71	3	7	49.0	49.7	50'4
	9.343 5180	1397 1397	9.354 3467	1469 1468	0.645 6533	9.989 1714	7 I 72	2	8	56.0	56.8	57.6
l	9.343 6577	1396	9.354 4935	1467	0.645 5065		71	-1	9	63.0	639	64.8
1	9-343 7973		9.354 6402			9.989 1571		0				1
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.				
			5′	9 m								

			0	51	**					-				
5.	Sin.	d.	Tang.	d. c.	Cota	ang.	C	os.	d.					
0	9.343 7973	1395	9.354 6402	1467	0.645	3598	9.989	1571	72	60	1	465	1460	1455
1		T 205	9.354 7869	1467	0.645		9.989			59		46.5	146.0	
2		1205	9.354 9336	1466	0.645	0064	9.989 9.989	1428		58		193.0	292.0	1 1 1
3 4		1394	9.355 0802 9.355 22 67	1.403	10 644	7733	9.989	1285	, -	57 56		39°5	438'0 584'0	
5	9.344 4946		9.355 3733		0.644	6267	9.989	1213		55	5 7	32.2	730.0	727.5
6	1,0,,	1303	9.355 5197	1			9.989		71	54		79.0	876.0	873.0
8	9.344 7732	1302	9.355 6662 9.355 8126	1 464			9.989 9.989		72	53 52	8 1	72.0	1022'0 1168'0	1018·5
9	, , , ,	1392	9.355 9589	1.403			9.989		71	51	913	18.2	1314'0	1309.2
10		1391	9.356 1052	1403	0.643		9.989		72	50		٠.	•	
11		1391	9.356 2515	1463	0.643			0783	72	49	1	450	1445	1440
12		1390	9.356 3977	1461	0.043				72 71	48	1 1	45'0	144.2	
13		1 280	9.356 5438 9.356 6900	1462	0.043	4502	9.989 9.989	0040	72	47		90.0	289'0	
15		1 309	9.356 8360	1400	0.643	1640	9.989	0496	72	46 45		80.0	433°5 578°0	
16	9.346 0245	1288	9.356 9821	1461	10042	0179	9.989	0424	72 72	44		25.0	722.2	, - , ,
17		1 287	9.357 1281	1450	0.042		9.989		72	43	6 8	70.0	867.0	864.0
18		1387	9.357 2 740 9.357 4 199	TAEN	0.642		9.989 9.989	0200	71	42				1008.0
20		1307	9.357 5658	1439	0.642	$\overline{}$	9.989		72	41 40	1 1		_	1152.0
21		1300	9.357 7116	1458	0.642				72	39	91-3	05 0	. 500 5	1.290 0
22	1		9.357 8573	1457			9.988		72 72	38				ì
23		1 285	9.358 0031	1456			9.988		72	37				ì
24		1384	9.358 1487	1467	0.641 0.641				72	36	1	400	1395	1390
25 26		1304	9.358 2944 9.358 4400	1430			9.988		73	35 34	1 1	40.0	139.5	139.0
27			9.358 5855	1455	0.641	٠ ا	′′~~		72	33		80.0	279.0	278.0
28	, , , , ,	1383	9.358 7310	1455			9.988		72 72	32	" "	20°0 60°0	418·5	
29		1382	9.358 8765	1454	0.641		9.988		72	31		00.0	697.5	556.0
30		1381	9.359 0219	1454	0.640		9.988		72	30		40.0	837.0	
31 32		1301	9.359 1673 9.359 3126	1453	0.640		9.988 9.988		73	29 28		80.0	976.2	
	9.348 3778	1381	9.359 4579	1453	0.640				72	27	0 12	60.0	1555.5	1112.0 1115.0
34	9.348 5158	1380	9.359 6031	1452	0.640	3969	9.988	9127	72 72	26	91.2	00 0,	233 3	1231
35	9.348 6538	1379	9.359 7483	1452	0.640				73	25	1 1	28s l	1380	1375
37	9.348 7917 9.348 9296	1379	9.359 8935 9.360 0386	1451	0.640 0.639	9614	9.988	8010	72	24 23		38.5	138.0	137.5
38	9.349 0674	13/0	9.360 1836	1450	0.639	8164	9.988	8838	72	22		77.0	276.0	
<u>39</u>		1378	9.360 3287	1449	0.639				73 72	21	- 1	12.2	414.0	
40		1277	9.360 4736	1450	0.639		9.988		73	20		54.0	552°0	
41	9.349 4806	1 2277	9.360 6186	1449	0.639				72	19		31'0	828.0	
42 43		1375	9.360 7635 9.360 9083	1448	0.639	2305	9.988	8475	73	18 17	7 9	69.5	966.0	962.5
44		13/0	9.361 0531	1448	0.638				72	16	8 11	08.0	104.0	1100,0
45	9.350 0309		9.361 1979	1448	0.638	8021	9.988	8330	73 72	15	9 12	40.2	242'0	1237.5
46	9.350 1684	1374	9.361 3426	1447	0.638			0250	73	14				1
47	9.350 3058 9.350 4432	1374	9.361 4873 9.361 6319	1446	o.638 o.638	3681	9.988	8113	72	I 3 I 2				1
49	9.350 5805	1-3/3	9.361 7765	1446	0.638	2235	9.988	8040	73	11				1
50	9.350 7178	1373	9.361 9210	1445	0.638			7967	73	10		71	1 2	12
151	9.350 8550	1372 1372	9.362 0655	1445 1445	0.637	9345	9.988	7895	72	9	1	7		7'2
52	9.350 9922	1371	9.362 2100	1444	0.637	7900	9.988	7822	73 73	8	2	14		4.4
	9.351 1293 9.351 2664	1371	9.362 3544 9.362 4988	1 1	o.637 o.637	5012	9.988	7749	73	7 6	3	21	~ 1	8·8 1·6
54 55	9.351 4035	1371	9.362 6431	1443	0.637			7604	72	5	4 5	35		8.0
56	9.351 5405	13/0	9.362 7874	1443	0.637	2126	9.988	7531	73	4	5 6	42		3.5
57	9.351 6774	1369	9.362 9316	1442 1442	0.637	0684	9.988	7458	73 73	3	7	49	7 5	0.4
58 59	9.351 8143 9.351 9512	1 369	9.363 0758 9.363 2200	1442	o.636 (/303	73	2 1	8	56.		7 ^{.6} 4 [.] 8
66	9.352 0880	1 368	9.363 3641		0.636				73	-	7	. "3	7 1 3	, ~
H	Cos.	d	Cotang.	d. c.	Tang		9.900 Sin		d.	S.				
-				8"	3				_	-				
		_	9	0					_					

			0 ^h	52 "	1							
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d,	1				
_0	9.352 0880	1368	9.363 3641		0.636 6359	9.988 7239		бо	1	1440	1435	1430
1	9.352 2248	1367	9.363 5082	1441	0.636 4918	9.988 7166	73	59	1	144'0	143'5	143'0
	9.352 3615	1367		1440		9.988 7093	73	58		288.0	287'0	2860
	9.352 4982	1367	9.303 /902	1440	0.636 2038		73 73	57		432'0	430'5	4290
	9.352 6349	1366	9.363 9401	1439		9.988 6947	73	56		576.0	574'0	572'0
	9.352 7715	1365	9.304 0040	1439		9.988 6874	73	55		720.0	717.5	7150
7	9.352 9080 9.353 0445	1365	9.364 2279 9.364 3717	1438	0.035 7721	9.988 6801 9.988 6728	73	54		864'0	861.0	858.0
	9.353 1810	1365	9.364 5155	1438	0.635 4845	9.988 6655	73	53 52	8 1	008 0	148.0	1001 0
	9.353 3174	1364	9.364 6592	1437		9.988 6582	73	51			1291'5	
10	9.353 4538	1364	9.364 8029	1437	0.635 1971		73	50	31-	-90-1	-9- 31	,
11	9.353 5901	1363	9.364 9465	1436		9.988 6436	73	-	1		1420	
	9.353 7264	1363	0.265 0001	1436		9.988 6363	73	49 48		1425	1420	1415
	9.353 8626	1362	0 265 2227	1436		9.988 6289	74	47	2	285'0	142'0	283'0
14	9.353 9988	1362	9.365 3772	1435		9.988 6216	73	46	3	427.5	426'0	424'5
1	9.354 1349	1361	9.365 5207	1435 1434		9.988 6143	73 73	45	4	570.0	568.0	5660
	9.354 2710	1360	9.365 6641	1434		9.988 6070	74	44	5	712.5	7100	707'5
17 18	9.354 4071	1360	9.365 8075	1433	0.634 1925		73	43		8550	852'0	8490
19	9.354 5431 9.354 6791	1360	9.365 9508 9.366 0941	1433	0.633 9059	9.988 5923 9.988 5850	73	42	7	997'5	994.0	
_	9.354 8150	1359		1433			74	41			1136.0	
		1359	9.366 2374	1432	0.633 7626		73	40	9 1	282.2	1278.0	1273 5
	9.354 9509 9.355 0867	1358		1432	0.633 6194	, , , , , , ,	74	39				
	9.355 2225	1358	9.366 5238 9.366 6669	1431	0.633 4702	9.988 5629 9.988 5556	73	38				
	9.355 3582	1357	9.366 8100	1431		9.988 5482	74	37 36	100	ALC: Y	1000	100
- 1	9.355 4939	1357	9.366 9530	1430	0.633 0470		73	35		1370	1365	1360
	9.355 6296	1357 1356	9.367 0960	1430	0.632 9040		74	34	1	137'0	136.2	1360
27	9.355 7652	1355	9.367 2390	1430		9.988 5262	73	33	2	274'0	273'0	
	9.355 9007	1356	9.367 3819	1429	0.632 6181		74 73	32	3	411.0	409.2	408.0
29	9.356 0363	1354	9.367 5248	1428	0.632 4752		74	31	4	548.0	546.0	680
<u>30</u>	9.356 1717	1355	9.367 6676	1428	0.632 3324	9.988 5041	Li I	30	6	822.0	819.0	-
31	9.356 3072	1354	9.367 8104	1428	0.632 1896	9.988 4967	74	29	7	959.0	955'5	952'0
32	9.356 4426	1353	9.367 9532	1427		9.988 4894	73 74	28	8 1	096.0	1092.0	1088
33	9.356 5779	1353	9.368 0959	1427	0.631 9041		74	27	91	233.0	1228.5	1224'0
	9.356 7132 9.356 8484	1352	9.368 2386 9.368 3812	1426	0.631 7614		74	26	1		1	
35 36	9.356 9836	1352	9.368 5238	1426	0.631 6188	9.988 4672 9.988 4599	73	25	1	1355	1350	1345
37	9.357 1188	1352	9.368 6663	1425	0.631 3337		74	24	1	135.2	135.0	134'5
	9.357 2539	1351	9.368 8088	1425		9.988 4451	74	22	2	271'0	270'0	269'0
39	9.357 3890	1351	0 268 0512	1425	0.631 0487		74	21	3	406'5	405'0	403'5
40	9.357 5240	1350	9.369 0937	1424	0.630 9063	9.988 4303	74	20	4	542'0	5400	538'0
	9.357 6590	1350	0.260 2261	1424		9.988 4229	74	19	5	677'5	675.0	672'5
42	9.357 7940	1350	0 260 2784	1423		9.988 4156	73	18	6	813.0	810,0	807.0
43	9.357 9289	1349 1348	9.369 5207	1423	0.630 4793	9.988 4082	74	17	7	948.5	945'0	941'5
	9.358 0637			1422	0.630 3371		74 74	16			1080.0	
45	9.358 1985	1348	9.369 8051	1422	0.630 1949	9.988 3934	74	15	71.	3 31	5 0	
	9.358 3333 9.358 4680	1347	0.329 9473	1421	0.630 0527	9.988 3860 9.988 3786	74	14				
48	9.358 6027	1347	9.370 0894	1421	0.629 7685	9.988 3712	74	13				
49	9.358 7373	1346	9.370 2323	1421	0.629 6264	9.988 3637	75	11				
	9.358 8719	1346	9.370 5156	1420	0.629 4844		74	10		73	74	75
_	9.359 0064	1345	6	1419	0.629 3425		74	-	1	7'3	-	75
	9.359 1409	1343	0 270 7004	1419	0.629 2006	9.988 3415	74	8	2	14.6	14.8	150
53	9.359 2754	-373	0.370 0413	1419	0.629 0587		74	7	3	21.0	22'2	22.2
	9.359 4098	1344	9.371 0831	1418 1418	0.628 9169	9.988 3267	74	6	4	29'2	29.6	30.0
15	9.359 5442	1344 1343	9.371 2249	1418	0.628 7751	9.988 3192	75	5	5	36.5	37'0	37'5
	9.359 6785	1343	19.3/1 300/	1417		9.988 3118	74 74	4		43.8	44'4	45'0
	9.359 8128	1342	9.371 5084	1417		9.988 3044	74	3	7	21.1	21.8	52.2
2	9.359 9470 9.360 0812	1342	9.371 6501	1416	0.628 3499	9.988 2970 9.988 2895	75	2	8	58.4	59'2	60.0
	9.360 2154	1342	9.371 7917	1416			74	1	9	65.7	66.6	67.5
끅		-	9.371 9333	3 - 1		9.988 2821		0				
7	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.				
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s.	Sin.	d.	Tang.	d. c.		Cos.	_	d.	4			
0	9.360 2154		9.371 9333	1415	0.628 066	9.988 28	21	75 60		1415	1410	140
1	9.360 3495	1341	9.372 0748	TAIS	0.627 925		40	74 59		141'5	141'0	
2	9.360 4835	1340	9.372 2163		0.627 783		72	74 50		283.0	282.0	1
3	9.360 6175	1340	9.372 3578	1414		2 9.988 25	90	75 31		424'5	423.0	
4	9.360 7515	1339	9.372 4992	TATA	0.027 500		23	74 3	7.1	266.0		
5	9.360 8854	1339	9.372 6406	TATE	0.627 359	1 9.988 23	49	75 54	3.1	707'5 849'0	705.0	
6	9.361 0193	1339	9.372 7819			8 9.988 23	100	14 5		990.2	-	100
8	9.361 1532	1338	9.372 9232 9.373 0645	1412	0.626 935	A.M.	25	52	12.		11280	
9	9.361 4207	1337	9.373 2057	1.41-	0.626 794		51	4 51			1269'0	
10	9.361 5544	1337	9.373 3468	1411	0,626 653		76	5 50				
11	9.361 6881	1337	9.373 4880		0.626 512	_	100	15 40		1400	1395	139
12	9.361 8217	1336	9.373 6291	4 . 4	0.626 370		27	4 48		140.0		-
13	9.361 9553	1336	9.373 7701	1000	0.626 220		152	13 45	4 5 5	280.0	2.0	
14	9.362 0889	1336	9.373 9111	1410	0.626 088	9 9.988 17	77	15 46		420'0		417
5	9.362 2224	1335	9.374 0521		0.625 947	9 9.988 17	03	75 45		560.0	5580	
16	9.362 3558	1334	9.374 1930	1400		9.988 16	28	75 44	5	700.0		
7	9.362 4892	1334	9.374 3339	1400		1 9.988 15	53	75 4.		840.0		1 77
8	9.362 6226	1333	9.374 4748	1108	0.025 525			4 4		980.0		
9	9.362 7559	1333	9.374 6156	1407	0.625 384	-	04	75 41			1116.0	
20	9.362 8892	1332	9.374 7563	1407	0.625 243	_	29	75 40	1000	200.0	1255'5	1125
2.1	9.363 0224	1332	9.374 8970	1407	0.625 103		54	15 39				
	9.363 1556	1332	9.375 0377	1407		9.988 11	79	75 30				
23	9.363 2888	1331	9.375 1784	1400	0.624 681	9.988 11	20	75 37				
4	9.363 4219	1330	9.375 3190	1405	0.024 540	5 9.988 09	EAL	5 35		1340	1335	133
25	9.363 6880	1331	9.375 6001	1406		9.988 08	70	2/2/	1	134'0		
27	9.363 8209	1329	9.375 7405	1404		5 9.988 08	04 1	2 22	2	268.0	267'0	
8	9.363 9539	1330	9.375 8810	1405		9.988 07	20 1	5 32	3 .	102.0	400.2	
29	9.364 0868	1329	9.376 0214	1404	0.623 978	6 9.988 06	54	15 31	4	536.0		0.0
30	9.364 2196	1328	9.376 1617	1403	0.623 838	9.988 05	70	20		670°0		
31	9.364 3524	1328	9.376 3020	1403	0.623 608	_	04	20		938.0		
32	9.364 4852	1328	9.376 4423	1403		7 9.988 04	20 1	75 28			1068.0	
33	9.364 6179	1327	9.376. 5826	1403	0.623 417	4 9.988 03	54	6 27			1201.2	
	9.364 7506	1327	9.376 7228	11101	0.623 277	2 9.988 02	78	75 26	1			< 091
35	9.364 8832	1326	9.376 8629	Link		9.988 02	03	75 25		1325	1320	131
36	9.365 0158	1326	9.377 0030	1401		9.988 01	20	75 24			132'0	_
37	9.365 1484	1325	9.377 1431	1400		9 9.988 00	53 -	76 23		132°5 265°0	264.0	
38	9.365 2809	1324	9.377 2831	1400	0.622 576	9 9.987 99	02	75 21		397.5	396.0	
39	9.365 4133	1325	9.377 4231	1400	-	-		751-		230.0	528.0	
to	9.365 5458	1323	9.377 5631	1399	0.622 436	_	- 7	76 20	5	662.5	660'0	657
11	9.365 6781	1324	9-377 7030	1379	0.622 297		51	75 18	6	7950	792'0	
12	9.365 8105	1323	9.377 8429	1398	a 6 a a a	1 9.987 96 3 9.987 96	OI	2 12	7 7	927'5	924'0	
13	9.366 0750	1322	9.378 1225	1398	0.621 877		25	116	0 1		1056.0	
14	9.366 2072	1322	9.378 2622	1.391		8 9.987 94	co !	21.	OIL	192.2	1188.0	1183
16		1322	9.378 4020	1390	0.621 598	9.987 93	74					
7	9.366 4715	1321	9.378 5416	1390	0.621 458	4 9.987 92	99	75 13				
8	9.366 6036	1321 1320	9.378 6813	1.371	0.621 318	7 9.987 92	23	5 12	1			
19	9.366 7356	1320	9.378 8209	1395	0.021 179	9.987 91		6 11				
50.	9.366 8676		9.378 9604		0.621 039	6 9.987 90	72	75 10)	7	4	75
51	9.366 9996	1320	9.379 0999	1,393	0.620 900	1 9.987 89	97 -	76 8	1	To Take	7'4	7'5
12	9.367 1315	1319	9-379 2394	1393	0.020 100	6 9.987 89	21					15.0
3	9.367 2634	1318	9.379 3788	1 204	0.020 021							22.2
	9.367 3952	1318	9.379 5182	1394	0.020 401	8 9.987 87	70	15 6				30.0
55	9.367 5270	1317	9.379 6576	1202	0.020 342		94	76				37'5
-	9.367 6587	1317	9.379 7969	1303	0.020 203		18	75 4	6			15.0
57	9.367 7904	1317	9.379 9362 9.380 0754		0.020 003	6 9.987 84	43	6		5		2.2
8	9.367 9221	1316	9.380 0754	1 200		4 9.987 83	/	76				7.5
	9.368 0537	1316		1391	0.019 105	9.987 83		6 -		1 2	- Facility	, ,
10	Cos.	-	9.380 3537	-	Tang.	The second second		-	1			
		d.	Cotang.	d. c.	lang.	Sin.	- 11	d. s.				

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s.	Sin		d.	Tar	ng.	d. c.	Cota		Co	s.	d.						
	9.368		1315	9.380	3537	1392	0.619	6463	9.987	8315	76	60		139	_ _	385	1380
1		3168	1315	9.380	4929	1390	0.619				76	59	1	139		38.2	138.
2	9.368		1314	9.380		1391			9.987		75	58	2	278	- 1	77.0	
3	9.368		1314	9.380		1390			9.987 9.987		76	57	3	417		15.2	414
41	9.368 9.368		1314	9.380 9.381		1389	0.019	-		_	76	56 55	5	556 695		54.0 92.5	
	9.368		1313	9.381		1389			9.987		76	54	6	834		31.0	828
_	9.369		1313	9.381	3267	1389	0.618	6733	9.987		76 76	53	7	973		69.5	966
	9.369		1312	9.381	4655	1388 1388	0.618	5345	9.987	7708	76	52	8	1112	0 11	08.0	1104
9	9.369	3675	1312	9.381	6043	1388	0.618	3957		7632	76	51	9	1251	0 12	46.2	1242
0	9.369	4987		9.381		1387	0.618	2569	9.987	7556	76	50					
1	9.369	6298	1311	9.381		1387	0.618		, , ,	7480	76	49		137	5 1	370	136
2	9.369		1311	9.382		1386			9.987		77	48	1	137	5 1	37.0	136.
~ 1	9.369		1310	9.382		1386			9.987		76	47	2	275		74.0	273
4	9.370		1309	9.382		1386			9.987 9.987		76	46 45	3	412	-, -	11.0	409
	9.370		1309	9.382		1385			9.987		76	44	4	550	1 -	48.0	546
	9.370		1309	9.382		1385			9.987		76	43	5	687 825		85.0	819
- 1	9.370		1308	9.382	8517	1384			9.987	6946	77 76	42	7	962		59.0	
9	9.370		1	9.382	9901	1384	0.617		9.987		76	41	8				1092
0	9.370	8079	1307	9.383			0.616	8715	9.987	6794	76	40					1228
1	9.370	9386	1307	9.383	2668	1383	0.616	7332	9.987	6718		39					
2	9.371	0692	1306	9.383	4051	1383	0.616	5949	9.987	6641	77 76	38					
	9.371		1306	9.383	5434	1382			9.987		77	37					
	9.371		1305	9.383		1381	0.010	3184	9.987 9.987	6488	76	36		131	5 1	310	130
	9.371		1305	9.383		1382	0.010	0421	9.987	6226	76	35	1	131		31.0	130
	9.371	7219	1305	9.384		1381			9.987		77	34 33	2	263		62.0	261
	9.371		1304.	9.384	2340	1380		1	9.987		76	32	3	394		93.0	391
9	9.371	9826	1303	9.384		1380			9.987		77	31	4	526		24.0	-
-1	9.372	-	1304	9.384	5100	1380	0.615	4900	9.987	6030	76	30	5	780		86.0	_ =
		2432	1302	9.384		1379		3521		5953	77	29	,	789 920		17'0	
		3735	1303	9.384	7858	1379	0.615	2142	9.987	5876	77 76	28	8				1044
3	9.372	5037	1302	9.384	9237	1379			9.987		77	27					1174
_	9.372		1301	9.385		1378			9.987		77	26					
-		7639	1301	9.385		1377	0.614		9.987	5646 5570	76	25 24	1	130	0 1	295	129
	9.372		1300	9.385		1377			9.987		77	23	1	130	-!-	29.2	129
~ 1		1540	1300	9.385		1377			9.987		77	22	2	260		29.0	258
		2840	1300	9.385		1376	0.614				76	2 I	3	390	0 3	88.2	387
-1	, ., .	4139	1299	9.385		1376	0.614	1124	9.987	5263	77	20	4	520	1 2	18.0	516
ī	9.373	-	1298	9.386		1375			9.987		77	19	5	650		47.5	645
		6736	1299	9.386	1627	1376			9.987		77	18	6	780 910		06.2	774 903
_		8034	1298	9.386	3001	1374 1375			9.987		77 77	17	8			36.0	
4	9.373		1297	9.386	4376	1373			9.987	4955	77	16	9	1170	0 11	65.2	1161
	9.374		the second second	9.386	5749	1374	0.613		9.987		76	15		ľ			
	9.374		1296	9.386 9.386	8406	1373	0.613	1504	9.987 9.987	4725	77	13					
8	9·374 9·374	4517	1290	9.386	9860	1373	0,613	0131	9.987	4648	77	12	ľ				
9	9.374	5812	1295	9.387	1241	1372	0.612			4571	77	11					
ó	9.374		1295	9.387	2613	1372	0.612		9.987	4494	77	10		1	76	1 :	77
1	9.374		1294	9.387		1372	0.612				77	9	1	I	7.6		7.7
	9.374	9696	1295	9.387	5356	1371			9.987	4339	78 77	8	117	2	15'2	1	5'4
	9.375	0989	1293 1294	9.387	6727	1371	0.612	3273	9.987	4262	77	7		3	22.8		3.1
	9.375	2283		9.387	8097	1370	0,612	1903	9.987	4185	77	6		4	30'4		0.8
	9-375	3576	1292	9.387	9467	1370			9.987		77	5	n3	5	38.0		8.5
	9-375	6160	1292	9.388 9.388	2206	1369			9.987		77	3			53'2		3'9
İ	9-375 9-375	7452	1292	9.388	3575	1369			9.987		77 78	2		7 8	60.8	6	1.6
	9.375		1291	9.388	4944	1369			9.987			1		9	68.4		9.3
-	9.376		1291	9.388	6312	1368	_		9.987		77	0		1-5		1	
1	Co		d.	Cot		d. c.	Tar	-	Si		d.	5.					
			***	56.51				445		17							

			0	, 22.	ll .							
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.376 0034		9.388 631	1368	0.611 3688	9.987 3722	1-5	60	113	65	1360	1355
1	9.376 1325	1291	9.388 768	7	0.611 2320	9.987 3645	77	59	1 13	36.2	136.0	135
2	9.376 2615	1290	9.388 904	/ 1 267	0.611 0953	9.987 3567	12-	58	2 27	3.0	272.0	271
3	9.376 3904	1290	9.389 041	1 1267		9.987 3490	77	57			408·0	
4	9.376 5194	1288	9.389 178	1366	0.610 8219		-0	56		16.0	544.0	1 5 '
5	9.376 6482	1289	9.389 314	1 366		9.987 3335 9.987 3258	1//	55		32.2	680.0	
7	9.376 7771 9.376 9059	1288	9.389 451 9.389 587	1365	0.010 3407	9.987 3250		54		- 1	816.0 952.0	
8	9.377 9347	1288	9.389 724	1 300	0.610 2756		177	53 52				1084
9	9.377 1634	1287	9.389 860	g 1304	0 610 1202		70	51				1219.
10	9.377 2921	1287	9.389 997	2 302	10.010 0027	9.987 2948	77	50				
11	9.377 4207	1286	9.390 133	- 1304			70	49		135	o i ı	345
12	9.377 5493	1286	9.390 270	1303	0 600 7200		177	48	1	135		34.2
13	9.377 6779	1285	9.390 406	1 363 2 1 363	0.009 5937		77	47	2	270		69. 0
14	9.377 8064	1285	9.390 542	1 1262	0.009 4574	9.987 2638	78	46	3	405	- 1	oź·5
5	9.377 9349	1284	9.390 678	91 2363	0.009 3211	9.987 2560	78	45	4	540	0 5	38·O
	9.378 0633	1284	9.390 815	~ •] • •	1 - 6 00	9.987 2482 9.987 2405		44	5	675		72.2
17 18	9.378 1917	1284	9.390 951 9.3 91 087	. 11302	- 4-0	9.987 2327	78	43	6	810		07:0
9	9.378 4484	1283	9.391 223	c 1301	0 608 7765		170	42 41	7 8	945	0.0 10	41.2 26.0
20	9.378 5767	1283	9.391 359	- 1300	2 608 6405		. I 7 X	40		1	0 12	•
1	9.378 7049	1282	9.391 495	- 11300	(0	9.987 2094	77	39	l	13	, - 12	3
22	9.378 8331	1282	9.391 631	1300	0 608 3685		170	39 38				
3	9.378 9613	1282	9.391 767	5 1300	0.608 2325	9.987 1938	170	37				
4	9.379 0894	1281	9.391 903	- 11359	0.608 0966	9.987 1860		36	1	ا مود	1285	1280
5	9.379 2175	1280	9.392 039	1359	0.007 9000		78	35	I-	290		
26	9.379 3455	1280	9.392 175	1 2 3 5 8	10.007 0249	9.987 1704	120	34		29.0	128·5	128.0
8	9.379 4735	1280	9.392 310	1 357	0.007 0091	9.987 1626 9.987 1549	77	33		37.0	385.2	
29	9.379 6015 9.379 7294	1279	9.392 446 9.392 582		0.607 5534		70	32 31		16.0	214.0	
30	9.379 8573	1279	9.392 718		0.607 2820		170			\$5.0	642.5	640.0
-	9.379 9851	1278	9.392 710		0.607 1463		170	30		74.0	771.0	
31 32	9.379 9051	1278	9.392 989	2 1330		9.987 1315 9.987 1236	179	29 28	7 9	03.0	899.5	896.0
33	9.380 2407	1278	9.393 124	81.325	0.606 8752	9.987 1158	170	27				1024.0
4	9.380 3684	1277	9.393 260	4 1 330		9.987 1080		26	9,11	JI 0 1	150 5	11152
35	9.380 4961	1277	9-393 395			9.987 1002	78	25	l			1
36	9.380 6237	1276	9.393 531	31		9.987 0924	78	24		275	1270	
37	9.380 7513	1276	9.393 666	/ + ~ ~ 4	0.000 3333	9.987 0846	78	23		27:5	127'0	126.2
8	9.380 8789 9.381 0064	1275	9.393 802	1 1353	0.606 1979	9.987 0768 9.987 0689	179	22 21		55.0 32.2	381°0	
39		1275	9.393 937	-11353			170	-		10.0	208.0	
10	9.381 1339 9.381 2613	1274	9.394 072		0.605 9273		78	20		37.5	635.0	
ļ I ļ 2	9.381 3887	1274	9.394 2 08 9.394 343	2 1334	0.605 6568	9.987 0533 9.987 0455	10	19 18	6 76	55.0	762.0	759.0
3	9.381 5161	1274	9.394 343	4 1352		9.987 0376	179	17			889.0	
4	9.381 6434	1273	9.394 613	6 1332		9.987 0298	170	16				1012.0
5	9.381 7707	1273	9.394 748	7 1351	0.605 2513	9.987 0220	70	15	9 114	17.5 1	143.0	1138.2
6	9.381 8979	1272	9.394 883	8 , 33,	0.605 1162	9.987 0141	78	14				
7	9.382 0251	1272	9.395 018		0.004 9012	9.987 0063	120	13				
8	9.382 1523 9.382 2794	1271	9.395 153 9.395 288		0.004 0402	9.986 9984	78	12				
_		1271	9.395 200	1 250	0.004 /112	9.986 9906	70	111			. 1	_0
0	9.382 4065	1270	9.395 423	2 2 2 4 8	0.004 5702		78	10		77		78
1	9.382 5335	1270	9.395 558	1 240	0.004 4414	9.986 9749	100	9 8	1	7	7 .	7.8
	9.382 6605 9.382 7875	1270	19.395 093	1348	0.004 3005	9.986 9670 9.986 9592	78		2 2	23		5.6 3.4
	9.382 9144	1269	0.395 020	, - 370	0 604 0260	9.986 9513	79	7 6	3	30		1.5 1.5
	9.383 0413	1269	0 206 007	0 1 2 340	0.603 9021	9.986 9435	170	5		38		9.0
6	9.383 1682	1269	10 206 222	6 34/	0.603 7674	9.986 9356	1/9	4	5 6	46		6.8
7	9.383 2950	1268	9.396 367	3 1246	0.603 6327	9.986 9277	78	3	7	53	9 5	4.6
8	9.383 4218	1267	9.396 501	9 1346	10.003 4981	9.986 9199	100	2	8	61.	6 6	2'4
	9.383 5485	1267	9.390 030	2 1246	0.003 3035	9.986 9120	70	1	9	69	3 7	0.5
ю	9.383 6752		9.396 771	[]	0.003 2289	9.986 9041		0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	8.	l			
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s.	Sin.		d.	Tar		d. c.	Cota	-	Co		d.						
0	9.383 6		1266	9.396		1345	0.603	2289	9.986	9041	79	60	_ <u> I</u>	345	134	0 13	335
1	9.383 8	018	1266	9.396		1345			9.986		78	59		34.2	134		3.2
3	9.383 9	FFO!	1266	9.397 9.397		1344	0.602 0.602				79	58 57		03.2 69.0	268 402		7.0 70.2
4	9.384 1	0	1265	9.397	3089	1344	0.602				79	56		38.0	536		34.0
5	9.384 30	080	1265	9.397	4433	1344 1344	0.602				79 79	55	5 6	72.2	670	·o 66	7.5
6	9.384 4	345	1264	9.397		1343	0.602				79	54	1 1	07:0	804		0.10
8	9.384 50	872	1264	9·397 9·397	8463	1343	0.602				79	53 52		41.2 76.0	938 1072	0 106	34.2 8.0
9	9.384 8	136	1263	9.397	9805	1342	0.602	0195	9.986		79	51				0 1 20	
10	9.384 9		1263	9.398		1342	0.601	8853	9.986	8253	78	50					1
11	9.385 0	002	6 .	9.398	2488	1341	_	7512	9.986		79 80	49		13	30	1325	
12	9.385 19	924		9.398	3830	1341	0.601				79	48	I		3.0	132'5	
13	9.385 3	447	1201	9.398 9.398	6511	1340	0.601 0.601			7936	79	47 46	2	1	6.0	265.0	1
	9.385 5	708	-6.	9.398	7851	1340	0.601		9.986	7857	79	45	3		9.0	397'5 530'0	
16	9.385 6	969	1261 1260	9.398	9191	1340	0.601	-		7778	79 79	44	5	1 22	5.0	662.5	
17 18	9.385 82 9.385 94	480	1260	9·399 9·399	1860	1339	o.600 o.600		9.986		79	43	6	79	8.0	795	
19	9.386 0	740 '		9.399 9.399	3208	1339	0.600		9.986		79	42 41	7	1 -	1.0	927'5 1060'0	
20	9.386 20	008	1239	9.399		1339		5453	9.986	7461	80	40	9	1		192.5	
21	9.386 32	267	1259	9.399		1337	0.600	_	9.986	7382	79	- 39	,			, .	
22	9.386 4	525		9.399	7222	1338	0.600	2778	9.986		79 79	38					
	9.386 57	7°3 ,	257	9.399		1337	0.600			7224	80	37					
24 25	9.386 70 9.386 82	208	1258	9.399 9.400		1337	o.600 o.599				79	36 35	1	265	126	0 12	55
26	9.386 9	EEA	1256	9.400		1336	0.599				79 80	34		26.2	126		25.2
27	9.387 0	811	1257 1256	9.400	3905	1336 1335	0.599	6095	9.986	6906	79	33		53.0	252		1.0
	9.387 20	00/	1255	9.400	> 1	1335	0.599		9.986	6827	8ó	32		79.2	378 504		6.2 02.0
29 20		344	1256	9.400		1335	0.599		9.986 9. 98 6		79	31		32.2	630		7.5
30	9.387 45		1255	9.400		1334	0.599		9.986		80	30	6 7	29.0	756		3.0
31 32	9.387 70	087	1254	9.400 9.401		1334	o.599 o.598				79	29 28		85.5	882	0 100	8.5
	9.387 8	341	1254 1254	9.401		1334	0.598				80 79	27				0112	
34	9.387 9	595	1253	9.401		1333 1333	0.598				80	26	^'	J J.	٠.	•	
35	9.388 ol	101	1253	9.401 9.401		1332	0.598 0.598		9.986		79	25 24	11	250	124	5 12	240
37	9.388 3	354	1253	9.401		1333	0.598		9.986		80 80	23	1 1	25.0	124	5 12	24.0
38	9.388 4	606	1252 1252	9.401	8574	1331 1332	0.598	1426	9.986	6031	79	22		20.0	249	- 1	18.0
39	9.388 5	050	1251	9.401		1331	0.598				80	21		75.0	373 498		6.0 6.0
40	9.388 7	100	1251	9.402		1331		8763	9.986	5872	80	20		25.0	622		50.0
41	9.388 8	360		9.402 9.402	2508	1330	0.597 0.597				80	19 18	6 7	20.0	747	0 74	14.0
43	9.389 0	86	3-	9.402	5228	1330	0.597				79 80	17		75.0	871	-,	8.0
44	9.389 2	111	1250 1249	9.402	6558	1330 1329	0.597	3442	9.986	5553	80	16		25.0 00.0		2 111	16.0
	9.389 3.	300	1249	9.402	7887	1329	0.597	2113	9.986	5473	80	15	71**	اک د۔		J1	
46 47	9.389 4	809	1249	9.402 9.403	9216	1329	0.597 0.596	0704	9.986 9.986	5393	80	14 13					
48	9.389 7	61	240	9.403	1873	1328	0.596	8127	9.986	5233	80 80						
49	9.389 8	354	240	9.403	3201	1328	0.596	6799	9.986		80	11				_	
50	9.389 9	002	1247	9.403	4528	1327 1327	0.596		9.986	5073	80	10		7	9	80	_
51	9.390 0	8491,	24/	9.403	5855	1327	0.596	4145	9.986	4993	80	9	1		9	8.0	
2	9.390 20	242	1246	9.403 9.403	7182	1327	0.596 0.596				80		2		5·8 3·7	16.0 24.0	- 1
þ.	9.390 3	- RR 4	-40	9.403	9835	1326	0.596				80	7	3		6	32.0	
5	9.390 5	834	240	9.404	1161	1326	0.595	8839	9.986	4673	80 80	5	5	39	5.2	40.0	١ ١
5	9.390 70	079	243	9.404	2486	1325	0.595	7514	9.986	4593	80	4			7.4	48.0	
	9.390 8; 9.390 9;	560	1245	9.404 9.404	3011	1325	0.595	4864	9.986	4513	80	3	7 8		3.3	56.0	
,	9.390 9	813	1244	9.404		1324	0.595	3540	9.986	4353	80	1	9	71	1.1	72.0	
- 4	9.391 20		1244	9.404		1324	0.595	2216	9.986		80	0	ĺ	•	•	•	
Ī	Cos.	<u> </u>	d.	Cota		d. c.	Tan	-	Sin	_	d.	-					
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1 0, 391 3300 1243 3, 404, 9108 1322 0, 594 8246 0, 986 4192 80 58 2 265° 264°01 244 14, 405 1754 1322 0, 594 8246 0, 986 4932 80 55 4 300° 284 141 141 141 141 141 141 141 141 141 1	5,	Sin.	d.		d. c.			-	-	d,						
19.391 3300 329 34543 3494 3495 0431 322 0.594 0.596	0	9.391 2057	1243		1324	1 				81	60	_ .	1325	132	10	1315
3 9.391 5786 1.24 9.405 1754 3.25 5.94 6249 9.986 4932 80 57 3 397.5 396.0 2.55 5 60.0 2.59 6.94 9.986 392.5 80 5 5 60.0 2.59 6.94 9.986 392.5 80 5 5 60.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.94 9.986 392.5 80 5 6.0 2.59 6.0 9.986 338.5 80 5 6.0 2.59 6.0 9.986 338.5 80 5 6.0 2.59 6.0 9.986 338.5 80 5 6.0 2.59 6.0 9.986 338.5 80 5 6.0 2.59 6.0 9.986 338.5 80 5 6.0 2.59 6.0 9.986 338.5 80 5 6.0 2.59 6.0 9.986 338.5 80 5 6.0 2.59 6.0 9.986 338.5 80 5 6.0 2.59 6.0 9.986 338.5 80 5 6.0 2.59 6.0 9.986 338.5 80 5 6.0 9.986 338.5 80 5 6.0 9.986 338.5 80 5 6.0 9.986 338.5 80 5 6.0 9.986 338.5 80 5 6.0 9.986 338.5 80 5 9.988 338.5					ı					80					- 1	131'5
4 0.301 7028			1243				:			, ,				306		263°
5 9.391 9270 1241 9.405 5720 1322 0.594 4280 9.986 3710 80 51 52 1241 9.405 7042 1322 0.594 4280 9.986 3710 80 52 816000 105000 105000 105000 105000 105000 1050	- 1				1 -											526
7 9.392 9752 1241 9.405 7042 1322 0.594 2858 9.986 3791 88 134 0 9.95 792 0.794 1379 9.986 3791 88 134 0.995 792 0.794 1379 9.986 3791 88 134 0.995 792 0.794 1379 9.986 3791 88 134 0.995 792 0.794 1379 9.986 3791 88 134 0.995 792 0.794 1379 9.986 3791 88 134 0.995 792 0.794 1379 9.986 3791 88 134 0.995 792 0.794 1379 9.986 3791 88 134 0.995 792 0.794 1379 9.995 3791 88 134 0.995 792 0.794 1379 9.995 3791 88 134 0.995 792 0.794 1379 9.995 3791 9.986 3791 88 134 0.995 792 0.794 1379 9.995 3791 88 134 0.995 792 0.794 1379 9.995 3791 88 134 0.995 792 0.794 1379 9.995 3791 9.986 3791 88 134 0.995 792 0.794 1379 9.995 3791 88 134 0.995 792 0.794 1379 9.995 3791 88 134 0.995 792 0.794 1379 9.995 3791 9.985 3791 88 134 0.995 792 0.794 1379 9.995 3791 88 134 0.995 792 0.794 1379 9.995 3791 88 134 0.995 792 0.995 3791 89 1379 9.995 3791 88 134 0.995 792 0.995 3791 89 1379 9.995 3791 88 134 0.995 792 0.995 3791 89 1379 9.995 3791 88 134 0.995 792 0.995 3791 9.995 3791 9.995 3791 88 134 0.995 792 0.995 3791 9		9.391 8270			1 -					1	55	5	-	1	- 1	657
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34 9.395 4120 3231 9.409 3291 3311 0.590 6791 9.986 1531 81 22 2 245'0 244' 329 9.395 7811 329 9.409 9.409 6523 331 0.590 246' 9.986 1207 381 22 2 245'0 244' 329 9.396 2727 228 9.410 0.454 1310 9.396 6410 454 9.396 6410 454 1322 9.410 4382 1322 9.410 4382 1339 3.395 5183 44 9.396 6410 454 1227 9.410 6399 1398 335'3 3.396 5183 1227 9.410 6399 1309 0.589 6927 9.986 0.589 6927 9.986 0.589 6927 9.986 0.589 6927 9.986 0.589 6928 81 18 18 18 18 18 18	-	9.395 1058	_			0.591	8722	9.986	1612					1 -		984.0
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y h o m		Cos.	d.			Tang	g	Si	າ.	d.	s.					
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٥	9.398 5996	1221	9.412 6581	1202	0,587 3419		1	60	1	305	1300	1295
I	9.398 7217	1221	9.412 7883	1302	0.587 2117	9.985 9334	82 81	59		30.2	130.0	129
2	9.398 8438	1220	9.412 9186	1302	0.587 0814	9.985 9253	82	58	1 1	61.0	260.0	
3	9.398 9658 9.399 0878	1220	9.413 0488 9.413 1789	1301	0.586 8211	9.985 9171 9.985 9089	82	57 56		91.2	390.0	
5	9.399 2098	1220	9.413 3091	1302	0.586 6909		82	55		52.2	520.0	1 -
6	9.399 3317	1219	9.413 4392	1301	0.586 5608	9.985 8925	82 81	54		83.0	780.0	
7	9.399 4536	1218	9.413 5692	1301	0.586 4308		82	53		13.2	910.0	
ŀI	9.399 5754 9.399 6973	1219	9.413 6993 9.413 8293	1300	0.586 3007 0.586 1707		82	52				1036.0
9	9.399 8190	1217	0.412.0502	1299	0.586 0408	9.985 8680 9.985 8598	82	51	9111	74 514	1700	11165.5
11	9.399 9408	1218	9.413 9592 9.414 0892	1300	0.585 9108		82	50				285
12	9.400 0625	1217		1299	0.585 7809	9.985 8434	82	49 48	<u>-</u>	129		28.5
13	9.400 1841	1216	9.414 3489	1298	0.585 6511		82 82	47	1 2	258		57°0
14	9.400 3058	1216	9.414 4788	1298	0.585 5212		82	46	3	387		85.2
15 16	9.400 4274 9.400 5489	1215	9.414 6086 9.414 7383	1297	0.585 3914		82	45	4	516	0 5	14.0
17	9.400 5409	1215	9.414 8680	1297	0.585 1320		82	44 43	5	645		42.2
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19	9.400 9134	1214	9.415 1274	1296	0.584 8726	9.985 7860	83	41	8		01 0	
20	9.401 0348	1213	9.415 2570	1296	0.584 7430	9.985 7777	82	40	9		.0 11	
	9.401 1561	1214	9.415 3866	1296	0.584 6134		82	39				
22	9.401 2775 9.401 3988	1213	9.415 5162	1295	0.584 4838		82	38				
24	9.401 5201	1213	9.415 6457 9.415 7752	1295	0.584 3543 0.584 2248		82	37				
25	9.401 6413	1212	9.415 9047	1295	0.584 2240		83	36 35	_ 1	220	1215	1210
26	9.401 7625	1212	9.416 0341	1294	0.583 9659	9.985 7284	82 82	34		22.0	121.2	I .
27		1212	9.416 1635	1293	0.583 8365		83	33		44.0 66.0	243'0	1 :
28 29	9.402 0048 9.402 1258	1210	9.416 2928 9.416 4222	1294	0.583 7072		82	32		88.0	364·5	
30	9.402 2469	1211	9.416 5514	1292	0.583 5778 0.583 4486	9.985 7037 9.985 6955	82	31	5 6	10.0	607.5	
31	9.402 3679	1210	9.416 6807	1293	0.583 3193	9.985 6872	83	30	6 7	32.0	729.0	
32	9.402 4889	1210	0.416 8000	1292	0.583 1901		82	29 28	1 1 1	76.0	850·5	۵۵ ا
33	9.402 6098	1209	9.416 9391	1292	0.583 0609	9.985 6707	83	27				1089.0
34	9.402 7307	1209	9.417 0683	1291	0.582 9317		83	26	- '		,,,,	. ,
35 36	9.402 8516 9.402 9724	1208	9.417 1974 9.417 3265	1291	0.582 8026		82	25		120	5 1	200
37	9.403 0932	1208	9.417 4555	1290	0.582 5445		83	24 23	4.	120		20'0
38	9.403 2140	1208	9.417 5846	1291	0.582 4154	9.985 6294	83	22	2	241	0 2	40.0
<u>39</u>	9.403 3347	1207	9.417 7135	1290	0.582 2865		83	21	3	361		60.0
40	9.403 4554	1207	9.417 8425	1289	0.582 1575	9.985 6129	83	20	4	602		00.0 80.0
41	9.403 5761	1206	9.417 9714	1289	0.582 0286		82	19	5	723	-	20.0
42 43	9.403 6967 9.403 8173	1206	9.418 1003	1289	0.581 8997		83	18	7	843	5 8	40'0
44	9.403 9378	1205	0.418 3580	1288 1288	0.581 6420		83	16	8	964		60.0
M	9.404 0583	1205	9.418 4868	1287	0.581 5132	9.985 5716	82	15	9	1084	.2 10	90.0
40	9.404 1788	1204	9.410 0155	1287	0.581 3845	9.985 5633	83	14	1			
47 48	9.404 2992	1204	9.418 7442	1287		9.985 5550 9.985 5467	83	. 3	4 1			
49	9.404 5400	1204	9.419 0016	1287	0.580 9984	9.985 5384	83	11				
	9.404 6603	1203	9.419 1302	1286	0.580 8698	9.985 5301	83	10		82	1 3	83
<u>50</u> 51	9.404 7806	1203	0 410 2588	1286	0.580 7412		83	-	1	8		8.3
	9.404 9009	1203	0.410 2874	1286	0.580 6126	9.985 5135	83 82	9	2	16	4 1	16.6
ĺ	9.405 0211	1202	9.419 5159	1285	0.580 4841	9.985 5053	83	7	3	24		24'9
1	9.405 1413	1202	9.419 6444	1284	0.580 3556		83	6	4	32		33.5
	9.405 3816	1201	9.419 7728	1285	0.580 2272	9.985 4887 9.985 4803	84	5	5	41		10.8
	9.405 5017	1201	0 420 0206	1283		9.985 4720	83	3	7	57		8.1
•	9.405 6217	1200	9.420 1580	1284	0.579 8420	9.985 4637	83 83	2	8	65	6 6	66.4
•	9.405 7417	1200	9.420 2803	1283	0.579 7137	9.985 4554	83	1	9	73		74.7
•	9.405 8617		9.420 4146		0.579 5854	the market which became to		0	1			
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.				
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s.	Sin.	d.	Tang.	d. c.	Cota		Co		d.					
의	9.405 8617	1200	9.420 4146	1283	0.579	5854	9.985		83	60	_ _	1285	128	127
I	9.405 9817	1199	9.420 5429	1282	0.579		9.985	4388	83	59		128.5	128	
2	9.406 1016	1198	9.420 6711	1282			9.985		84	58		257.0		1 2-
3	9.406 2214 9.406 3413	1199	9.420 7993 9.420 9275	1282	0.579		9.985 9.985		83	57 56		385.2 514.0		
5	9.406 4611	1198	9.421 0556	1281 1281	0.578		9.985		83	55		64 2 ·5	1 5	1 2
	9.406 5808	1197	9.421 1837	1280	0.578		9.985		83 84	54		771.0	مذ ا	
7	9.406 7006	1197	9.421 3117	1281	0.578		9.985		83	53	7	899.2	896	
8	9.406 8203 9.406 9399	1196	9.421 4398	1280	0.578		9.985		83	52	8 1	028.0	1024	0 1020
9		1197	9.421 5678	1279			9.985		84	51	911	130 3	11152	0 1147
	9.407 0596 9.407 1791	1195	9.421 6957	1280	0.578	3043	9.985		83	50		1	1	
I I I 2	9.407 2987	1196	9.421 8237 9.421 9515	1278	0.578	1763	9.98 5 9.985	3555	84	49 48	-		270	1265
13		1195	9.422 0794	1279	0.577	9206	9.985	3388	83	47			7.0	136·5 253·0
14	9.407 5377	1195	9.422 2072	1278	0.577	7928	9.985	3305	83 84	46	l		1.0	379.5
5	9.407 6571	1195	9.422 3350	1278			9.985	3221	83	45			8·o	206.0
16	9.407 7766 9.407 8959	1193	9.422 4628 9.422 5905	1277	0.577		9.985	3138	84	44			35.0	632.2
18	9.408 0153	1194	9.422 7182	1277	0.577	2818	9.985 9.985		84	43 42			2.0	759.0
19	9.408 1346	1193	9.422 8459	1277	0.577	1541	9.985	2887	83	41			16.0 1	885.2
20	9.408 2539	1193	9.422 9735	1276	0.577	0265	9.985	2803	84	40				138.5
21	9.408 3731	1192	9.423 1011	1276 1276	0.576			2719	84 83	39		•		
22	9.408 4923	1192	9.423 2287	1276			9.985	2636	84	38				
23	9.408 6115	1191	9.423 3563	1275	0.576			2552	84	37				
24 25	9.408 7306 9.408 8497	1191	9.423 4838 9.423 6112	1274	0.576		9.985 9.985	2468 2385	83	36		I 200	119	5 119
26	9.408 9688	1191	9.423 7387	1275			9.985		84	35 34	1	120'0	119	5 119
27	9.409 0878	1190	9.423 8661	1274			9.985		84 84	33		240.0		
28	9.409 2068	1189	9.423 9935	1274			9.985	2133	84	32	1.1	360.0		
29	9.409 3257	1190	9.424 1208	1273	0.575			2049	84	31		480°0 600°0		
30	9.409 4447	1188	9.424 2481	1273	0.575	7519		1965	83	30		720.0	, ,,,	
31	9.409 5635	1189	9.424 3754	1272	0.575	6246	1.7.3	1882	84	29		840.0	1 2 2	1
32	9.409 6824 9.409 8012	1188	9.424 5026 9.424 6298	1272			9.985 9.985	1798	84	28		960.0		
33 34	9.409 9200	1188	9.424 7570	1272	0.575		9.985		84	27 26	9 1	080.0	11075	5 1071
35	9.410 0388	1188	9.424 8842	1272			9.985		84 84	25				
36	9.410 1575	1186	9.425 0113	1271			9.985	1462	84	24	_		85	1180
37	9.410 2761	1187	9.425 1384	1270			9.985		84	23	ľ		8.2	118.0
38 39	9.410 3948 9.410 5134	1186	9.425 2654 9.425 3925	1271	0.574		9.985 9.985	1294	85	22 2 I			37°0	236 [°] 0
40	9.410 6320	1186	9.425 5194	1269	0.574		9.985	1125	84	20			4.0	472'0
11	9.410 7505	1185	9.425 6464	1270	0.574			1041	84		!	5 59	2.2	290.0
12	9.410 8690	1185	9.425 7733	1269			9.985	•	84	19 18		1 2	1.0	708'0
43	9.410 9875	1185	9.425 9002	1269	0.574	0998	9.985	0873	84 84	17			8.0 8.0	826°0
14	9.411 1059	1184	9.426 0271	1268	0.573	9729	9.985	0789	85	16				062.0
15 16	9.411 2243 9.411 3427	1184	9.426 1539 9.426 2807	1268			9.985 9.985	0704	84	15	Ι΄	•	٠.	
17	9.411 3427	1182	9.426 4075	1268	0.573	1.93	9.985	0526	84	13				
18	9.411 5793	1183	9.426 5342	1267	0.573	4658	9.985	0452	84	12				
19	9.411 6976	1183 1182	9.426 6609	1267 1266	0.573	3391	9.985	0367	85 84	I I				
50	9.411 8158	1182	9.426 7875	1267	0.573	2125	9.985	0283	85	10	_		33	84
51	9.411 9340	1182	9.426 9142	1266	0.573	0858	9.985		84	9			8.3	8.4
52	9.412 0522	1181	9.427 0408	1266	0.572	9592	9.985	0114	84				6.6	16.8
53	9.412 1703 9.412 2884	1181	9.427 1674	1265	0.572	8320	9.985	0030	85	7			4.9	25.5
54	9.412 4065	1181	9.427 2939 9.427 4204	1265	0.572	5706	9.984 9.984	9945	84	5			3'2	33 [.] 6
	9.412 5245	1180	9.427 5469	1265	0.572	4531	9.984	9776	85	4	(9.8	50.4
57	9.412 6425	1180 1179	9.427 6733	1264 1264	0.572	3267	9.984	9692	84 85	3	:	7 5	8.1	58.8
58	9.412 7604	1179	9.427 7997	1264	0.572	2003	9.984	9607	85	2			6.4	67.2
59	9.412 8783	1179	9.427 9261	1264	0.572		9.984		84		9	9 7	4.7	75.6
10	9.412 9962		9.428 0525				9.984	- المناسعة		0	1			
_	Cos.	d.	Cotang.	d. c.	Tar	ıĶ.	Si	u.	d.	S.	l			
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s.	Sin.	d.	Tang.	d. c.	Cotang.	C	os.	d.	Г				
0	9.412 9962	1170	9.428 0525	1263	0.571 947	5 9.984	9438	٥.	60	1	1263	126	0 1257
1	9.413 1141	1179	9.428 1788	1263	0.571 821			85	59	1	126.3	126	
100	9.413 2319	1178	9.428 3051	1262	0.571 694			85 84	58		252'6	252	
3	9.413 3497	1177	9.428 4313	1262	0.571 568			85	57		378.9	378	1
5	9.413 4674 9.413 5851	1177	9.428 5575 9.428 6837	1262	0.571 442			85	56		505.5	504	
6	9.413 7028	1177	9.428 8099	1262	0.571 190	1 0.084	8030	84	55 54		531°5 7 57 '8		
7	9.413 8205	1177	9.428 9360	1261 1261	0.571 064	0 9.984	88.45	85	53		384.1		
8	9.413 9381	1176	9.429 0621	1260	0.570 937	9 9.984	8760	85 85	52				0 1005.6
9	9.414 0557	1175	9.429 1881	1261	0.570 811		8675	85	51	9 1	136.4	1134	.0 1131.3
10	9.414 1732	1175	9.429 3142	1260	0.570 685			85	50				
11	9.414 2907	1175	9.429 4402	1259	0.570 559			85	49		254	125	1 1248
13	9.414 4082	1174	9.429 5661	1260	0.570 433			84	48		125'4	125	
	9.414 6430	1174	9.429 8180	1259	0.570 307			85	47 46		350.8		
15	9.414 7604	1174	9.429 9438	1258	0.570 056			85	45	9	376 [.] 2		
16	9.414 8778	1174	9.430 0697	1259 1258	0.569 930	3 9.984	1808	85 85	44		527'0		., ., .
17	9.414 9951	1172	9.430 1955	1258	0.569 804			85	43		752°4		
18	9.415 1123	1173	9.430 3213	1257	0.569 678		7911	86	42	7 8	377.8	875	7 873.6
20		1172	9.430 4470	1257	0.569 553			85	41	8 10	003.5	1000	.8 998.4
-	9.415 3468	1171	9.430 5727	1257	0.569 427	_		85	40	9111	128.0	11125	.0 1123.2
21	9.415 4639 9.415 5811	1172	9.430 6984 9.430 8241	1257	0.569 301			85	39				
23	9.415 6982	1171	9.430 9497	1256	0.569 175	9 9.984		85	38 37				
	9.415 8152	1170	9.431 0753	1256	0.568 924			85 86	36	١.,			
25	9.415 9323	1170	9.431 2008	1255 1256	0.568 799	2 9.984	7314	85	35	- -	1177	117	
26	9.416 0493	1169	9.431 3264	1255	0.568 673	6 9.984	7229	85	34		17.7	117	
27	9.416 1662 9.416 2832	1170	9.431 4519	1254	0.568 548			85	33		235'4 353'1	234 352	
29	9.416 4001	1169	9.431 5773	1254	0.568 422		7059 6973	86	32		170.8		
30	9.416 5169	1168	9.431 8281	1254	0.568 171		6888	85	$\frac{31}{20}$	5	588.5		
31	9.416 6338	1169	9.431 9535	1254	0.568 046	_!		85	30		706.5	704	خانہ
32		1168	9.432 0789	1254	0.567 921		6717	86	29 28		323 [.] 9	•	1 5 3
	9.416 8673	1167	9.432 2042	1253	0.567 795			85 86	27				.6 1023.8
	9.416 9841	1167	9.432 3294	1252	0.567 670			85	26	710	- 37 3	15-	-133 9
35	9.417 1008	1166	9.432 4547	1252	0.567 545			86	25	١,	168	116	5 1162
36 37	9.417 2174 9.417 3341	1167	9.432 5799 9.432 7051	1252	0.567 420		6290	85	24		16.8	116	
38	9.417 4506	1165	9.432 8302	1251	0.567 294		6204	86	23 22		33.6	233	-1
	9.417 5672	1166	9.432 9553	1251	0.567 044		6119	85	2 I		350.4	349	
40	9.417 6837		9.433 0804	1251	0.566 919		6033	86	20		67.2	466	
41	9.417 8002	1165	9.433 2055	1251	0.566 794			86	19		84.0		~ I ~
42	9.417 9167	1164	9.433 3305	1250	0.566 669	5 9.984	5862	85 86	18		700.8		1
43	9.418 0331	1164	9.433 4555	1250	0.566 544	5 9.984	5776	86	17	O.	317 [.] 6 334 [.] 4	932	
44	9.418 1495	1164	9.433 5805	1249	0.566 419			85	16			1048	.2 1045.8
46	9.418 2659 9.418 3822	1163	9.433 7054 9.433 8303	1249	0.566 294			86	15 14	N/			5, 15
47	9.418 4985	1103	9.433 9552	1249	0.566 044	8 9.984	5433	86	13				
48	9.418 6148	1163	9.434 0800	1248 1248	0.565 920	0 9.984	5347	86	12				
49	9.418 7310	1162	9.434 2048	1248	0.565 795	2 9.984	5262	85 86	11				
50	9.418 8472	1161	9.434 3296	1248	0.565 670		5176	86	10		1 8	5	86
51	9.418 9633	1162	9-434 4544	1247	0.565 545	6 9.984	5090	86	9 8	1		8.2	8.6
,2	9.419 0795	1161	9.434 5791	1247	0.565 420	9 9.984	5004	86		2		7.0	17.2
	9.419 1956 9.419 3116	1160	9.434 7038	1246	0.565 296			86	7	3		5.2	25.8
5	9.419 4277		9.434 8284 9.434 9530	1246	0.565 171			86	5	4	3	2.2	34'4 43'0
6	9.419 5436	1159	9.435 0776	1246	0.564 922			86	4	5	5	1.0	51.6
7	9.419 6596	1150	9.435 2022	1246	0.564 797			86 86	3	7 8	5	9.5	60.5
3	9.419 7755	1159	9.435 3267	1245 1245	0.564 673	3 9.984	4488	86	2			8.0	68.8
-	9.419 8914	1159	9-435 4512	1245	0.564 548	_		86	1	9	1 7	6.2	77'4
0	9.420 0073	1000	9.435 5757		0.564 424	and the last of th	THE RESERVE		0				
	Cos.	d.	Cotang.	d. c.	Tang.	Si	n.	d.	S.				
			4 A	59"									
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			1	^ 1"											
s.	Sin.	d.	Tang.	d. c.	Cota	ng.	Cc	S.	d.						
0	9.420 0073	1158	9.435 5757	1244	0.564	4243	9.984	4316	86	60	_ _	1245	124	2 12	39
1	9.420 1231	1158	9.435 7001	1244	0.564		9.984		86	59	1	124.2	124		3.8
2	9.420 2389	1158	9.435 8245	1244	0.564				87	58	2	249.0		4 24	17.8
3	9.420 3547 9.420 4704	1157	9.435 9489 9.436 0733	1244	0.564		9.984 9.984		86	57 56	3	373°5			71.7 25.6
4 5	9.420 5861	1157	9.436 1976	1243	0 562		9.984		86	55		622.2	1 3 -	1 3 -	19.5
6	9.420 7018	1157	9.436 3219	1243			9.984		86 86	54		747.0	1		13.4
7	9.420. 8174	1156	9.436 4461	1242	0.563				87	53		871.2		31	7.3
8	9.420 9330	1155	9.436 5704	1242	0.563				86	52		996.0			1.3
9	9.421 0485	1156	9.436 6946	1241	0.563		9.984		86	51	911	120 5	11117	.8 111	. 5 .
10	9.421 1641	1155	9.436 8187	1241	0.563		9.984		87	<u>50</u>	١.		1		
11	9.421 2796	1154	9.436 9428	1242	0.563		9.984 9.984		86	49		1236	123		230
12	9.421 3950 9.421 5105	1155	9.437 0670 9.437 1910	1240	0.502		9.984		87	48 47		123.6			3.0
	9.421 6259	1154	9.437 3151	1241			9.984		86	46		247·2 370·8			99.0
15	9.421 7412	1153	9.437 4391	1240			9.984		86	45	- 1	494.4			3.0
31 1	9.421 8566	1154	9.437 5631	1240			9.984		86	44		618.0			5.0
17	9.421 9719	1152	9.437 6870	1239			9.984		87	43	5	741.6	739	8 73	3 <u>8</u> .c
18	9.422 0871	1153	9.437 8109	1239			9.984		87	42		865.2			91.0
19	9.422 2024	1152	9.437 9348	1239	0.562		9.984		86	41		988.8			34.0
20	9.422 3176	1151	9.438 0587	1238	0.561		9.984		87	40	911	112.4	11109	7/110	77-0
21	9.422 4327	1152	9.438 1825	1238	0.561		9.984 9.984		86	39 38	I				
22	9.422 5479 9.422 6630	1151	9.438 3063 9.438 4301	1238	0.561				07	30 37					
24	9.422 7780	1150	9.438 5538	1237	,	• //	9.984		87 86	36	١.	,,,,		ما	
25	9.422 8931	1151	9.438 6775	1237	0.561		9.984		87	35		1153	115		47
26	9.423 0081	1150	9.438 8012	1237	0.561				87	34	I	115.3	115		14.7
27	9.423 1230	1150	9.438 9248	1237			9.984	1982	87	33	3	230 ⁶			14°1
28	9.423 2380	1149	9.439 0485	1235	0.560				87	32		461.5			8.8
29	9.423 3529	1149	9.439 1720	1236					86	31	5	576.5			3.2
30	9.423 4678	1148	9.439 2956	1235	0.500		9.984		87	30	6	691.8		·o 68	38.2
31	9.423 5826	1148	9.439 4191	1235	0.560	-	9.984 9.984		87	29 28		807.1			5.0
32 33	9.423 6974 9.423 8122	1148	9.439 5426 9.439 6661	1235	0.560		9.984		87	27		922.4	1 -	1 -	7.6
34	9.423 9269	1147	9.439 7895	1234	0.560				87	26	911	03//	11033	.0 103	52 J
35	9.424 0416	1147	9.439 9129	1234	0.560	0871	9.984		87 87	25				- 1	0
36	9.424 1563	1147	9.440 0363	1234	0.559		9.984		87	24	- -	1144	114		38
37	9.424 2710	1146	9.440 1596	1234	0.559				87	23	I	114.4	1 .:		3.8
38	9.424 3856	1145	9.440 2830	1232	0.559		9.984 9.984		87	22 21	3	228·8 343·2			1.4 1.4
39	9.424 5001	1146	9.440 4062	1233					87			457.6	1		5.2
40	9.424 6147	1145	9.440 5295	1232	0.559		9.984 9.984		87	20	5	572.0		1 2	9.0
41 42	9.424 7292 9.424 8437	1145	9.440 6527	1232	0.559	3473 2241	9.984		87	19 18	6	686.4			2.8
43	9.424 9581	1144	9.440 7759 9.440 8991	1232	0.559				87	17	1 21	800.8			6.6
44	9.425 0726	1145	9.441 0222	1231	0.558	9778			88	16		915.5		9 102	0'4
45	9.425 1869	1143	9.441 1453	1231	0.558	8547	9.984	0416	87	15	المال	J29 0	11020	9 102	4 2
1 -	9.425 3013	1144 1143	9.441 2684	1231	0.558	7316	9.984	0329	0-	14	l				
47	9.425 4156	1143	9.441 3914	1231	0.550	0080	9.984	0242	88	13	1				
48	9.425 5299 9.425 6442	1143	9.441 5145 9.441 6374	1229	0.550		9.984 9.984		87	I 2 I I					
49		1142		1230	0.558		9.983		87		l	1 5	36	87	
50	9.425 7584	1142	9.441 7604	1229	0.550				88	10	-		8.6	8.7	-
51	9.425 8726 9.425 9867	1141	9.441 8833 9.442 0062	1229		0028	9.983	9092 080r	87	9 8		1	7.2	17.4	
52 53	9.425 9807	1141	9.442 1291	1229	0.557	8700	l o.o8 a	9718	87	7			5.8	26.1	
	9.426 2149	1141	9.442 2519	1228	0.557	7481	9.983	9630	88	6			4.4	34.8	
55	9.426 3290	1141	0.442 3747	1228	10.557	0253	19.903	9545	87 88	5		5 4	3.0	43'5	
56	9.426 4430	1140 1140	9.442 4975	1220	0.557	5025	9.983	9455	87	4			1.6	52.5	
	9.426 5570	1140	9.442 0202	1228	0.557				88	3			0.2	60.9	
	9.426 6710	1139	9.442 7430	1227	0.557		9.983	-	87	2			8.8	69 [.] 6 78 [.] 3	
	9.426 7849	1139	9.442 8657	1226	0.557		9.983		88	<u></u>	١ '	9 7	7.4	103	
60	9.426 8988		9.442 9883	1			9.983		ا ز ا	0	l				
	Cos.	d.	Cotang.	d. c.	Tan	g.	Si	n.	d.	s.	1				
			4'	58"	1										_
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			1	h 2m										
5.	Sin.	d.	Tang.	d. c.	Cota	ing.	Co	5.	d.					
0	9.426 8988	1120	9.442 9883	1226	0.557		9.983	9105	87	60	1	227	1224	1221
1	9.427 0127	1139	9.443 1109	1226	0.556	8891	9.983	9018	88	59		22.4	122'4	122.1
2	9.427 1265	1138	9.443 2335	1226			9.983 9.983	8842	88	58	100	45'4 68'1	244'8 367'2	366.3
3	9.427 2403 9.427 3541	1138	9.443 3561 9.443 4786	1225	0.556	5214	9.983	8755	87	57 56		90.8	489.6	488.4
4 5	9.427 4678	1137	9.443 6011	1225	0.556	3989	9.983	8667	88 88	55		13'5	612'0	100000000000000000000000000000000000000
6	9.427 5815	1137	9.443 7236	1225	0.556	2764	9.983	8579	88	54		36.5	734'4	732.6
7	9.427 6952	1137	9.443 8461	1224			9.983	8491	87	53		58.9		
8	9.427 8089	1136	9.443 9685 9.444 c909	1224	0.556		9.983 9.983		88	52 51		81.6		976.8
9	9.427 9225 9.428 0361	1136	9.444 2133	1224	0.555	7867	9.983	8228	88	50	31	-4.5		13-3
11	9.428 1496	1135	9.444 3356	1223	0.555	6644	9.983	8140	88	49	1.	218	1215	1212
12	9.428 2631	1135	9.444 4579	1223	0.555		9.983		88 88	48	_	21.8	121'5	121'2
13	9.428 3766	1135	9.444 5802	1223	0.555	4198	9.983	7964	87	47	A	43.6	243'0	100000
14	9.428 4901	1135	9.444 7024	1222	0.555	2976	9.983	7877	88	46	3 3	65.4	364'5	
15	9.428 6035	1134	9.444 8246	1222			9.983 9.983	7789	88	45		87.2	486'0	
16 17	9.428 7169 9.428 8302	1133	9.444 9468 9.445 0690	1222	0.555		9.983		88	44 43	71	30.8	729'0	727'2
18	9.428 9435	1133	9.445 1911	1221	0.554	8089	9.983		88 88	42	100	52.6	850.2	848.4
19	9.429 0568	1133	9.445 3132	1221	0.554	6868	9.983	7437	89	41	0	74'4		
20	9.429 1701	1133	9.445 4352	1221	0.554	5648	9.983	7348	88	40	9 10	96.5	1093.2	1090.8
21	9.429 2833	1132	9.445 5573	1220	0.554		9.983	7260	88	39				
22	9.429 3965	1132	9.445 6793	1220	0.554	3207	9.983		88	38				
23	9.429 5097	1131	9.445 8013	1219	0.554	1987	9.983 9.983	7084 6996	88	37 36	O S	100		-0.75
24 25	9.429 6228 9.429 7359	1131	9.445 9232 9.446 0451	1219	0.553	9549	9.983	6908	88 88	35	-	135	1132	1129
26	9.429 8490	1131	9.446 1670	1219	0.553	8330	9.983	6820	89	34		13.2	113.5	112.0
27	9.429 9620	1130	9.446 2889	1218	0.553	7111	9.983	6731	88	33	6.31	40.2	339.6	338.7
28	9.430 0750	1130	9.446 4107	1218	0.553	5893	9.983 9.983	6555	88	32		54.0	452.8	451.6
29	9.430 1880	1129	9.446 5325	1218	0.553		9.983	6466	89	31	5 5	67.5	566.0	564'5
<u>30</u>	9.430 3009	1130	9.446 6543	1217	0.553	3457	9.983	-	88	30	1.00	81.0	679.2	677.4
31	9.430 4139 9.430 5267	1128	9.446 7760 9.446 8 978	1218	0.553		9.983		88	29 28		94°5	792.4	790'3
32 33	9.430 6396	1129	9.447 0194	1216	0.552	9806	9.983	6201	89 88	27		21'5	1018.8	1019.1
34	9.430 7524	1128	9.447 1411	1217	0.552	8589	9.983	6113	80	26	21-	31		
35	9.430 8652	1127	9.447 2627	1216	0.552		9.983		88	25	11	126	1123	1120
36	9.430 9779	1128	9.447 3843 9.447 5059	1216	0.552		9.983 9.983	36 48	88	24 23		12.6	112.3	112.0
37 38	9.431 0907 9.431 2033	1126	9.447 5039	1215	0.552		9.983		89	22	667	25'2	224'6	N CONTRACTOR
39	9.431 3160	1127	9.447 7490	1216	0.552		9.983		89 88	21		37.8	336.9	336.0
40	9.431 4286	1126	9.447 8704	1214	0.552	1296	9.983	5582	89	20		50.4	449'2	448°0
41	9.431 5412	1126	9.447 9919	1215	0.552	0081	9.983	5493	88	19		75.6	561'5	
42	9.431 6538	1126	9.448 1133	1214	0.551	8867		5405	89	18	1907 1 1	88.3	786.1	784'0
43	9.431 7663	1125	9.448 2347 9.448 3561	1214	0.551		9.983 9.983	5316	89	17	8 0	8.00	898.4	896'0
44	9.431 8788 9.431 9913	1125	9.448 4774	1213	0 554		9.983		88	15	9 10	13.4	1010.4	1008.0
	9.432 1037	1124	9.448 5987	11215				***	89 89	14				
47	9.432 2161	1124	9.448 7200	1213	0.551	2800	9.983	4961	89	13				
48	9.432 3285	1124	19.440 0413	1	10.551	150/	9.903	4012	88	12				
<u>49</u>	9.432 4409	1123	9.440 9023	1212	0.551		9.98 <u>3</u> 9.983		89	11	1	1 8	8	89
50	9.432 5532	1122	9.449 0837	1211	0.550	9103	9.983		89	-	-	-	8.8	8.9
51	9.432 6654 9.432 7777	1123		,	0.550	7952 6740	9.983	4517	89	9	2			17.8
	9.432 8899	1122	9.449 4471		0.550	5529	9.983	4428	89 89	7	3	2	6.4	26.4
	9.433 0021	1122	9.449 5682	1211	0.550	4318	9.983	4339	89	6	4			35.6
	9.433 1143	1121	9.449 6892		10.550	3108	9.983	4250	89	5	5			14'5 53'4
,	9.433 2264	1121	9.449 8102	1210	0.550	1098	9.983 9.983	4072	88	3	7			52'3
	9.433 3385 9.433 4505	1120	9.449 9312 9.450 0522	1210	0 540	9478	9.983	3983	90	2	8			71'2
	9.433 5626	1121	0.450 1731	1209	0.549	8269	9.983	3894	89	1	9			80.1
1	9.433 6746	1120	9.450 2940		0.549	7060	9.983	3805	89	0				
'	Cos.	d.	Cotang.	d. c.				n.	d.	5.				
'		•	A	57						-				
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s.	Sin.	d.	Tang.	d. c.	Cota	ng.	Co	s.	d.						
0	9.433 6746		9.450 2940	7.000	0.549	7060	9.983	3805	0.0	60	1	I 20	9	1206	1203
1	9.433 7865	1119	9.450 4149	1209	0.549		_	3716	89 89	59	1	120	.9	120.6	120'3
2	9.433 8985	1119	9.450 5358	1208			9.983		89	58	2	241		241'2	
3	9.434 0104	1119	9.450 6566	1208	0.549		9.983	3538	89	57	3	362		361.8	
4	9.434 1223	1118	9.450 7774	1207	0.549			3449	89	50	4	483		482'4	1 2
5	9.434 2341	1118	9.450 8981 9.451 0189	1208	0.548		9.983 9.983		89	55 54	5	725		723.6 723.6	1 7
7	9.434 4577	1118	9.451 1396	1207			9.983		90	53	7	846		844.5	1 1
8	9.434 5694	1117	9.451 2602	1206	0.548	7398	9.983		89	52	8	967	- 1	964.8	1 -
9	9.434 6812	1117	9.451 3809	1207	0.548	6191	9.983	3003	89	51	9	1088	. 1		1082
10	9.434 7929	1116	9.451 5015	1206	0.548	4985	9.983	2913	90 89	50					
11	9.434 9045	1116	9.451 6221	1206	0.548	3779	9.983	2824	89	49	1	120	ю	1197	1194
I 2	9.435 0161	1116	9.451 7427	1205	0.548		9.983	2735	90	48	1	120	.0	119.7	119.4
13	9.435 1277	1116	9.451 8632	1205	0.548		9.983		80	47	2	240	- 1	239.4	
14	9.435 2393	1115	9.451 9837	1205			9.983		89	46	3	360	0.0	359.1	358.2
15 16	9.435 3508 9.435 4623	1115	9.452 1042 9.452 2246	1204	0.547		9.983		90	45	4	480		478.8	
17	9.435 5738	1115	9.452 2240	1204	0.547		9.983 9.983		89	44 43	5	600	- 1	598.5	
18	9.435 6852	1114	9.452 4654	1204	0.547		9.983		90	42	7	720 840	- 1	718·2	1 1 .
19	9.435 7967	1115	9.452 5858	1204	0.547			-	89	41	8	960		957.6	
20	9.435 9080	1113	9.452 7061	1203	0.547	2939	9.983		90	40					1074
21	9.436 0194	1114	9.452 8264	1203	0.547		9.983	1929	90	39	l		•		• • •
2 2	9.436 1307	1113	9.452 9467	1203			9.983	1840	89 90	38	ı				
23	9.436 2420	1112	9.453 0670	1203	0.546				89	37	l				
24	9.436 3532	1113	9.453 1872	1202	0.546				90	36	1	111	7	1114	1111
25 26	9.436 4645 9.436 5757	1112	9.453 3074	1202		-	9.983		90	35	1	111		111.4	ļ
27	9.436 6868	1111	9.453 4276 9.453 5477	1201	0.546		9.983 9.983		90	34	2	223	- 1	222.8	1
28	9.436 7980	1112	9.453 6678	1201	0.546		9.983		89	33 32	3	335	. 1	334'2	
29	9.436 9091	1111	9.453 7879	1201	0.546		9.983	-	90	31	4	446		445.6	444
30	9.437 0201	1110	9.453 9079	1200	0.546		9.983		90	30	5	558	- 1	557.0	
31	9.437 1312	1111	9.454 0280	1201	0.545		9.983		90	29	6 7	781		668.4	.1
32	9.437 2422	1110	9.454 1479	1199	0.545		9.983		90	28	8	893		779.8	1 111
33	9.437 3532	1110	9.454 2679	1200	0.545	7321	9.983		89	27				1005.6	
34	9.437 4641	1109	9.454 3879	1199	0.545		9.983		90	26	l	•			
35 36	9.437 5750 9.437 6859	1109	9.454 5078	1198	0.545		9.983		90	25	1	110	81	1105	1102
37	9.437 7968	1109	9.454 6276 9.454 7475	799 1198	0.545		9.983 9.983		90	24 23	-	110		110.2	110.3
38	9.437 9076	1108	9.454 8673		0.545		9.983		90	22	2	221	- 1	221.0	220'4
39	9.438 0184	1108	9.454 9871	1198	0.545		9.983		90	21		332	- 1	331.2	330.6
40	9.438 1292	ı	9.455 1069	1198	0.544	8931	9.983		90	20	4	443	·2	442.0	440.8
41	9.438 2399	1107	9.455 2266	1197	0.544		9.983		90	19	1	554	_ 1	552.2	551.0
42	9.438 3506	1107	9.455 3464	1198	0.544	6536	9.983	0042	91 90	1 Ś		664	- 1	663.0	661.3
43	9.438 4613	1106	9.455 4660	1190	0.544	5340	9.982	9952	90	17		775 886		773'5 8 84 '0	881.6
44	9.438 5719	1106	9.455 5857	1196	0.544	4143	9.982	9862	90	16		997	٠,	994.2	
45 46	9.438 6825 9.438 7931	1106	9.455 7053 9.455 8249		0.544	2947	9.982	9772	90	15	ľ	- , ,	1	// ¥ J	. ,,, .
47	9.438 9037	1106			0.544	1/21	0.082	9002	90	14 13	l				
48	9.439 0142	1105	9.456 0641	1196	0.542	~ 333	9.982	737-	91	12					
49	9.439 1247	1105	9.456 1836	1195			9.982		90	11					
50	9.439 2351	1104	9.456 3031	1195	0.543		9.982		90	10		1	8	9 1	90
51	9-439 3456	1105	9.456 4225	1194			9.982		91		-	<u> </u>	_	- 9	9.0
52	9.439 4560	1104	9.456 5420	1195	0.543	4580	9.982	9140	90	9 8		2			18.0
53	9.439 5663	1103	9.456 6614	1194	0 542	2286	200		90 91	7		3	26	7 :	27.0
54	9.439 6767	1103	9.450 7007	1194	0.543	2193	9.982	8959	90	6		4	35		36.0
55	9.439 7870	1103	9.456 9001	1193	10.543	0999	9.902	oouy	91	5		5	44		\$5.0
56 57	9.439 8973 9.440 0075	1102	9.457 0194 9.457 1387	1193	0.342		9.982 9.982		90	4		6	53		54.0
58	9.440 1177	1102	0 457 2580	1193	0.542		9.982		91	3		7 8	62 71		53.0 53.0
59	9.440 2279	1102	9.457 3772	1192			9.982		90	1		9	80		31.0
	9.440 3381	1102	9.457 4964	1192			9.982		91	-0		٠,	-	•	
	Cos.	d.	Cotang.	d c.	Tar		Si		d.	s.					
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s,	Sin.		d.	Tar		d. c.	Cota	ing.	Co	s.	d.						
0	9.440 3		1101	9.457	4964	1102	0.542	5036	9.982	8416	0	60	_ _	1191	11	88	1185
t	9.440 4	482	1011	9.457	6156	1192	0.542	3844	9.982	8326	90	59	I	119.		8.8	118.
2	9.440 5	583	1101	9.457	7348	1192	0.542		9.982		90	58	2	238.		7.6	237
3	9.440 6		1100	9-457	8539	1191			9.982		91	57	3	357		6.4	355
4	9.440 7		1100	9.457	9730	1191			9.982		91	56	4	476		5.5	474
5	9.440 8		1100	9.458	0921	1190	0.541	9079	9.982	7963	90	55	5	595		4.0	592
0	9.440 9		1099	9.458		1190	0.541	7889	9.982 9.982	7873	91	54	6	714		2.8	711.
8	9.441 1		1099	9.458		1190	0.541	****	9.982	7601	91	53 52	8	833°		0°4	
9	9.441 3		1099	9.458	£681	1190	0.541		9.982	7600	91	51					1066.
-			1099	9.458		1189			9.982		90	50	21.	, .	71	7-1	
0	9.441 4		1098			1189	0.541				91		١,	0.		1	
1	9.441 5		1098	9.458 9.458	8059	1189	0.541		9.982 9.982		91	49 48	-	118:		79	117
3		674	1098			1189	0.541	0/52	9.982	7237	91	47	I	118		7:9	117
	9.441 8		1097	9.459		1188	0.540	8275	9.982		91	46	2	236		35.8	235
5	9.441 9		1097	9.459	2813	1188	0.540	7187	9.982	7055	91	45	3	354°		3'7 71'6	352°
6	9.442 0		1097	9.459		1188	0.540	5999	9.982	6964	91	44	5	591		39.2	588
7	9.442 2		1096	9.459		1187	0.540	4812	9.982	6873	91	43	6	709		7.4	705
8	9.442 3	158	1097	9.459		1187	0.540	3625	9.982	6782	91 91	42	7	827	1 2	25.3	823
9	9.442 4	253	1095	9.459	7562		0.540	2438	9.982	6691	1 -	4 I	8	945		3.2	940
20	9.442 5	349	1096	9.459	8749	1187	0.540	1251	9.982	6600	91	40	9 1	1063			1058
1 2	9.442 6		1095	9.459		1186			9.982		91	39					
22	9.442 7		1095	9.460		1186	0.530	8879	9.982	6418	91	3 8					
23	9.442 8		1095	9.460		1186	0.539	7693	9.982	6327	19:	37					
4	9.442 9	- 0	1094	9.460		1185	0.539	6508	9.982	6236	91	36	١,	100	n 1 14	96	109
25	9.443 0	822	1004	9.460	4678	1185	0.539	5322	9.982	6145	9.	35	- -	109		-	
26	9.443 1	916	1094	9.460		1184	0.539	4137	9.982	6053	01	34	I	109	21	9.6	218
27	9.443 3		1094	9.460		1185	0.539		9.982	5962	91	33	3	329		19 [.] 2	327
28	9.443 4		1093	9.460	8232	1184	0.539	1768	9.982		91	32	4	439		8.4	437
29	9.443 5		1092	9.460		1184	0.539				92	31	5	549		18.0	546
30	9.443 6		1092	9.461		1183	0.538	9400	9.982	5688	91	30	6	659	-1 -	7.6	655
31	9-443 7	380	1092	9.461	1783	1184	0.538	8217	9.982	5597	91	29	7	769	٠, ٠	7.2	765
32	9.443 8		1092	9.461		1183	0.538		9.982		92	28	8	879		6.8	874
	9.443 9		1091	9.461		1183			9.982	5414	91	27	9	989	1 98	36.4	983.
34	9.444 0		1091	9.461		1182	0.538		9.982		92	26	l				
35	9.444 1		1091	9.461		1182	0.538		9.982		91	25	lι	1090	0 10	87	1082
	9.444 2		1091	9.461		1182	0.538		9.982 9.982		91	24 23	1	109		8.7	108.
87	9.444 5		1090	9.462	0061	1182	0.537			4957	92	22	2	218		7.4	216
39	9.444 6	108	1090	9.462		1181	0.537	8758	9.982		91	2 I	3	327	1	6·i	325
_		197	1089	9.462		1181			9.982		92	20	4	436		34.8	433
0			1090			1181	0.537	7577	9.982	4682	92	_	5	545	0 54	3.2	542
1	9.444 8		1089	9.462		1181	0.537		9.982		91	19 18	6	654		2.5	650
2	9-444 9		1088	9.462		1180	0.537		9.982		92	17	7	763		0.0	758
3	9.445 0 9.445 I	553	1089	9.462		1180	0.537	2855	9.982		91	16	8	872		9.6	867
5	9.445 2		1088	9.462		1180	0.537	1075	9.982	4316	92	15	9	981.	이 97	8.3	975
6	9.445 3	729	1088	0.462	9505	1180	0.537		9.982	4224	92	50.7					
7	9-445 4	816	1087	9.463	0684	1179	0.536	9316	9.982	4132	92	13					
8	9.445 5	904	1087	9.403	1003	1179	0.536	8137	9.982	4041	91	12					
9	9.445 6	991	1086	9.463	3042	1179	0.536	6958	9.982	3949		11					
0	9.445 8		25.654	9.463		1178	0.536	5780	9.982	3857	92	10		-	91	1 9	92
1	9-445 9	_	1087	9.463		1178			9.982	3765	92	9	13	1	9.1		9'2
	9.446 0		1000	9.463	6576	1178	0.536	3424	9.982		91	8		2	18.2	1	8.4
	9.446 1		1085	9.463		1178	0.536	2246	9.982	3582	9-	7	1.4	3	27'3		7.6
4	9.446 2	421	1085	9.463	8931	1177	0.536	1069	9.982	3490	92	6	10	4	36.4		6.8
5	9.446 3	506	1085	9.464	8010	1177	0.535	9892	9.982	3398	02	5		5	45'5		6.0
6	9.446 4	591	1084	9.464		1177	0.535	8715	9.982	3306	92	4	13	6	54.6		5'2
7	9.446 5	675	1085	9.464	2462	1176	0.535	7538	9.982	3214	92	3	-		63.7		4.4
	9.446 6		1084	9.464		1176	0.535	6362	9.982	3122	02	2			72.8		3.6
	9.446 7		1083	9.464		1176			9.982		92	1	9	9	81.9	1 8	2.8
0	9.446 8	927		9.464	5990	/5			9.982	2938	,-	0					
1	Cos.		d.	Cota	ing.	d. c.	Tai	ng.	Si	n,	d.	5.	X				
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s.	Sin.	d.	Tang.	d. c.	Cotang.		os.	d.						
0	9.446 8927	1084	9.464 5990	1175	0.535 40	0 9.982	2938	92	60	_	1176	5 1	173	1170
1	9.447 0011	1083	9.464 7165	1175	0.535 28			92	59	1	117		17.3	117
2	9.447 1094	1083	9.464 8340	1175	0.535 16		2754	1	58	2	235	~!	34.6	234
3	9.447 2177	1082	9.464 9515	1175	0.535 04	9.982	2002	مدا	57. 56	3	352 [.]		51.9 51.9	351.
5	9.447 3259 9.447 4342	1083	9.465 1864	1174	0.534 93	6 0.082	2477	77-	55	5	588		86.2	585
6	9.447 5423	1081	9.465 3038	1174	0.534 69	2 9.982	2385	92	54	6	705		03.8	702
7	9.447 6505	1082	9.465 4212	1174	0.534 57	8 9.982	2293	92	53	7	823	2 8	21.1	819
8	9.447 7586	1082	9.465 5386	1174	0.534 46	4 9.982	2201	11.	52	8	940		38.4	936.
9	9.447 8668	1080	9.465 6559	1173	0.534 34		2108	92	<u>51</u>	91	1058.	4110	55.7	1053.
10	9.447 9748	1081	9.465 7732	1173	0.534 22		2016	92	<u>50</u>	Ι.	_			_
II	9.448 0829	1080	9.465 8905	1173	0.534 10	5 9.982	1924	93	49	Ш	116		164	1161
12	9.448 1909	1080	9.466 0078	1172	0.533 99 0.533 87	9.982	1831	92	48	1	116.		16.4	116.
13	9.448 4069	1080	9.466 2422	1172	0.533 75			92	47 46	2	233.		32.8	232
15	9.448 5148	1079	9.466 3594	1172	0.533 64			93	45	3	350.		49°2	348 [.]
16	9.448 6227	1079	9.466 4765	1171	0.533 52	5 9.982	1462	92	44		583.		82.0	580
17	9.448 7306	1079	9.466 5936	1171	0.533 40	4 9.982	1369	93	43	5 6	200.		98.4	696
18	9.448 8384	1078	9.466 7107	1171	0.533 28	3 9.982	1277	93	42	7	816.	51	14.8	812.
19	9.448 9462	1078	9.466 8278	1170	0.533 17		1184	92	41	8	933.	۱ı - ۱	31.5	928
20	9.449 0540	1078	9.466 9448	1170	0.533 05			93	40	91	1020.	3 10	47'0	1044.
21	9.449 1618	1077	9.467 0618	1170	0.532 93	9.982		92	39	İ				
22	9.449 2695 9.449 3772	1077	9.467 1788 9.467 2958	1170	0.532 82			93	38 37				•	
24	9.449 4849	1077	9.467 4127	1169	0.532 58			93	36		0-		01	
25	9.449 5925	1076	9.467 5296	1169	0.532 47	4 9.982	0629	92	35	_	1081	-	278	1075
26	9.449 7001	1076	9.467 6465	1169	0.532 35	5 9.982	0536	93	34	1	108.		27.8	107
27	9.449 8077	1076	9.467 7634	1168	0.532 23	6 9.982	0443	92	33	2	324 [°]		23.4	2150
28	9.449 9153	1075	9.467 8802	1168	0.532 110			93	32	3	432		31.5	322'
29	9.450 0228	1075	9.467 9970	1168	0.532 00		0258	93	31	5	540		39.0	537
30	9.450 1303	1074	9.468 1138	1167	0.531 88		0165	93	30	6	648	6 6	46.8	645.0
31	9.450 2377	1075	9.468 2305 9.468 3473	1168	0.531 76		0072 9979	93	29 28	7	756.		54.6	752'5
33	9.450 3452 9.450 4526	1074	9.468 3473 9.468 4639	1166	0.531 53	1 0.081	9886	93	27	8	864.	1	52.4	860.0
34	9.450 5600	1074	9.468 5806	1167	0.531 410			92	26	9	972	91 93	70.2	967.5
35	9.450 6673	1073	9.468 6973	1167	0.531 30	7 9.981	9701	93	25	١.				
36	9.450 7747	1072	9.468 8139	1166	0.531 180			93 93	24	_	1072	-1	269	1066
37	9.450 8819	1073	9.468 9305	1165	0.531 060			93	23	I	107		26.9	106.6
38	9.450 9892	1072	9.469 0470 9.469 1636	1166	0.530 953		9329	93	22 21	3	321		13.8	319.8
39	9.451 0964	1073	9.469 2801	1165	0.530 710	_	9329	93	20	4	428		27.6	426.4
40	9.451 2037	1071		1165				93	_	5	536	1 .	34.2	533.0
41	9.451 4180	1072	9.469 3966 9.469 5130	1164	0.530 603			93	19 18	6	643		11.4	639.6
43	9.451 5251	1071	9.469 6295	1165	0.530 370	5 9.981	8956	94	17	7	750		18.3	746.2
44	9.451 6322	1071	9.469 7459	1164	0.530 254	1 9.981	8863	93	16	8	964		55.5	852.8
45	9.451 7393	1071	9.469 8623	1164	0.530 137	7 9.981	8770	93 93	15	91	904	J 90	1 2 1	959'4
46	9.451 8463	1070	9.469 9786	1163	0.530 021	4 9.981	8077	93	14					
47	9.451 9533	1070	9.470 0949	1163	0.530 021	8 0.08	8400	94	-3					
48 49	9.452 0603 9.452 1672	1069	9.470 2112 9.470 3275	1163	0.529 786	019.901	8397	93	12 11					
50	9.452 2742	1070	9.470 4438	1163	0.529 556			93	10		ı	92		12
	9.452 3811	1069	-	1162	0.529 440			93		-		9.2 9.2	-1	9.3 9.3
52	9.452 4879	1068	0 470 6762	1162	0.529 440			94	9 8		- 1	18.4		9 3 8·6
	9.452 5948	1069		1162	0.529 207			93	7		3 3	27·Ġ	1	7.9
54	9.452 7016	1068	9.470 9085	1161	0.529 091	5 9.981	7931	93	6		4 .	36.8	3	7.2
55	9.452 8083	1068	9.471 0246	1161	0.528 975			94 93	5			tę.o		6.2
56	9.452 9151	1067	9.471 1407	1161	0.528 859			93	4			2.5		5.8
	9.453 0218	1067	9.471 2568	1160	0.528 743			93	3			4.4		2.1
	9.453 1285 9.453 2352	1067	9.471 3728 9.471 4889	1161	0.528 627 0.528 511		7557 7463	94	2 I			3.6 32.8		4°4 3°7
_	9.453 2352	1066	9.471 6048	1159	0.528 395		7370	93	-		<i>3</i> 1 `		, ,	, ,
-	Cos.	d.	Cotang.	d. c.	Tang.	219.981 Sin		d.	<u>s.</u>					
_	COS	u.				311		۷. ا	<u></u> -					
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1 9453 4484 1066 9471 7208 1159 0.528 2073 9.981 7269 945 2316 2316 230 230 230 2316 2316 2316 230 230 2316						1	6 m												
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1	0	9.453	3418	1066	9.471	6048	1160	0.528	3952	9.981	7370	0.4	60		11	58	115	55	1152
2 9.453 5550	1			1.27		<u>.</u> .					7276			1	11	5.8	119	5.2	115.5
3 9.453 5083 6066 9.471 9.567 1158 0.326 9473 9.981 6925 9.57 6 4 4657 5576 576 556 5 9.453 87.46 1065 9.472 1804 1158 0.327 9.815 9.981 6920 9.57 576 576 576 9.453 878 1065 9.472 3002 1158 0.327 9.815 9.981 6920 9.57 579 5775 576 576 9.454 0.855 9.454 1939 1063 9.472 4506 1158 0.327 9.869 9.981 6527 9.981 6529 9.981	100	9.453	5550							9.981					-		-	- 1	230'4
S 9-453 8746	1.5						1158			9.981							- :	- 1	345.6
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10 9.454 4000 4072 7903 1157 0.527 2307 9.981 6339 9.45 1149 1146 1149	-												—	91	104	2.5	1039	5.21	1036.8
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21 9.455 5746 1066 0-474 0-475 0-525 0-476												94		l				-	
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27 9.456 62103 1058 9.474 7158 1153 0.525 1579 9.981 44249 94 33 4 2 212*6 212*0 211*0 215*0 229 9.456 4219 1058 9.474 9573 1152 0.525 1579 9.981 4740 95 31 318*9 318*0	1											04		- -					
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31 9.456 6335 157 9.475 1877 1152 0.524 8123 9.81 4458 97 29 7 744.1 742.0 739.33 9.456 8449 9.456 9506 35 9.457 0562 0.566 9.475 6482 1151 0.524 0.	_											94		5					528.5
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33 9.457 7618 36 9.457 2674 37 9.457 2674 38 9.457 3730 39 9.457 4785 40 9.457 5840 41 9.457 6895 42 9.457 7950 43 9.457 9004 44 9.458 0058 45 9.458 0058 45 9.458 2165 45 9.458 3218 46 9.458 3218 47 9.458 3218 48 9.458 3218 49 9.458 3218 49 9.458 3224	-																		,,
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40 9.457 5840 6451 6223 6476 6323 6484 6451 6425 642	<u>39</u>	9.457			9.476	1083		0.523	8917				2 I	3	-	- 1			314.4
41 9.457 0895 1055 9.476 4531 1054 9.476 5680 1054 9.476 6829 1149 0.523 34320 9.981 3324 95 163 1054 9.476 6829 1148 0.523 3171 9.981 3229 9.488 4271 1053 9.477 0273 1148 0.523 0875 9.981 2945 9.458 5324 1053 9.477 0273 1148 9.458 5324 1053 9.477 1421 1147 9.458 0532 1051 9.477 1421 1147 9.458 0532 1051 9.477 1421 1147 9.458 0532 1051 9.477 1421 1147 9.458 0532 1051 9.477 1421 1147 9.458 0532 1051 9.477 1421 1147 9.458 0532 1051 9.477 1421 1147 9.459 0582 1051 9.477 1451 1146 0.522 2845 9.981 2366 9.981 2369 9.458 9.479 1051 9.477 1451 1146 0.522 2845 9.981 2366 9.981 2369 9.458 9.458 9.458 9.458 9.477 1451 1146 0.522 2845 9.981 2376 9.5 8 8 9.981 2376 9.459 1633 1051 9.477 9447 1051 9.479 9.478 0.522 1699 9.981 2281 9.459 0.522 2845 9.981 2376 9.5 8 9.5 13 9.459 0.522 0.523 1146 0.522 1699 9.981 2281 9.459 0.522 0.523 1146 0.522 1699 9.981 2281 9.459 0.522 0.523 0.521 9408 9.981 2001 9.479 1738 1145 0.521 9408 9.981 1902 9.478 1738 1144 0.521 9408 9.981 1902 9.478 0	40	9.457	5840		9.476	2233	_	0.523	7767	9.981	3608		20		-		•	٠,	419.2
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52 9.465 1081 1035 9.484 4346 1131 0.515 5654 9.980 6735 97 7 3 28.5 28.8 133 9.465 3150 1034 9.484 6608 1131 0.515 4523 9.980 6638 96 6 4 38.0 38.4 55 9.465 4185 1034 9.484 8870 1034 9.484 8870 1034 9.484 8870 1034 9.485 2201 1034 9.485 1131 0.515 1130 9.980 6349 96 6 57287 1034 9.485 1131 0.515 1130 9.980 6349 96 9.980 6156 97 5 9.465 8320 1033 9.485 1131 1130 0.515 0000 9.980 6253 97 1 0.514 8869 9.980 6156 96 3 7 66.5 67.2 1034 9.485 1131 1130 9.465 9.980 6156 96 9.980 6156 96 9.980 6156 96 9.980 6156 96 9.980 6156 96 97 2 8 76.0 76.8 1130 9.485 3390 1129 0.514 8869 9.980 6060 97 2 8 76.0 76.8 1129 0.514 6610 9.980 5963 97 0 1 9.980 6060 97 1 0.514 8869 9.9				2 101 221	1 -				-	-			
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S.	Sir		d.	Ta	ng.	d. c.	Cot	ang.	Co	S.	d.						
0	9.465	9353	1033	9.485	3390	1112	0.514	6610	9.980	5963	66	60	1	1128	112	25	1122
1	9.466	-	1033	9.485		11120	0.514	5480	9.980	5867	96	59	1	112.8	112	2.2	112,5
2	9.466		1032	9.485		1129	0.514				97 97	58		225.6	22		224.4
3	9.466 9.466		1032	9.485 9.485		11129	0.514				96	57		338.4	337		336.6
5	9.466		1032	9.485		1128			9.980 9.980		97	56 55	5	451.5 564.0	459 562	1	448·8
6	9.466	5547	1032	9.486	0163	1128 1128			9.980	5383	97	54	6	676.8	675		673'2
7	9.466		1031	9.486		1128	0.513		9.980	5287	96 97	53	7	789.6	787		785.4
8	9.466 9.466		1031	9.486		1128	0.513	2.			97	52		902'4			897.6
10	9.466	<u> </u>	1030	9.486 9.486		1127	0.513		9.980		97	51	9 1	015.5	1012	2.2[1	1009.8
11	9.467		1030	9.486		1127		5326	_	_	97	<u>50</u>			1		- (
12	9.467	•	1030	9.486	6028	1127	0.513		9.980		96	49 48	-	11			16
13			1030	9.486		1125			9.980		97	47			3.8 1.0		1.6 3.5
	9.467		1029	9.486		1127			9.980		97	46		1	5.7	33	4.8
15			1029	9.487		1125			9.980		97 97	45			7.6		6.4
	9.467 9.467		1028	9.487 9.487		1125			9.980		97	44	,		9.2		8.0
18	9.467		1028	9.487	3683	1125	0.512		9.980 9.980		97	43 42	l	1 -	1'4	_	9·6
19	9.467	8933	1029	9.487		1125	0.512		l''_		97	41		- 1 -	3'3 5'2	-	1.5 5.8
20	9,467	9 9 60	1027	9.487		1124	0.512		9.980		97	40	i .	100		-	
21	9.468		1028	9.487	7058	1125	0.512	2942		3930	97	39	ľ	•	. '		
22			1027	9.487		1124	0.512	_	9.980		97 97	38	l				
23	9.468 9.468	3042 4060	1027	9.487		1123	0.512				97	37	l				
25	9.468		1026	9.488 9.488		1124			9.980 9.980		98	36	l	1027	10	24	1021
26	9.468	6122	1027	9.488		1123			9.980		97	35 34	1	102"		2.4	102.1
27	9.468		1020	9.488	3801	11124	0.511	6199	9.980	3347	97 97	33	2	205.		4.8	204.2
28	9.468		1026	9.488		1112	0.511	-		3250	98	32	3	308.1		9.6	306.3
<u>29</u>			1025	9.488		1113	0.511				97	31	5	513		2.0	400 4 510.2
30	9.469		1025	9.488		1112	0.511				97	30	6	616.	2 61	4.4	612.6
31 32	9.469 9.469		1024	9.488 9.488		1112		1709	9.980 9.980		108	29 28	7	718		6.8	
33	9.469		1025	9.489		1112			9.980		97	20 27	8	821.0			818.9 819.8
34	9.469	4322	1024	9.489	1656	1121	0.510	8344	9.980	2666	98	26	9	1944 .	192	. 0	9109
35	9.469		1023	9.489		1121	0.510	7223	9.980	2568	97	25		1	18 1	10	
	9.469		1024	9.489		1121			9.980		98	24	-		1.8	_	15
37 38	9.469		1023	9.489		1121	0.510		9.980		97	23			3.6		3.0
39	9.469		1022	9.489		1120			9.980		98	21	100		5.4		4'5
40	9.470		1023	9.489		1120	0.510				97	20		4 40	7.2	40	6.0
41	9.470	1483	1022	9.489		1120	0.510				98	19	18		9.0		7.5
42	9.470	2505	1022	9.490	0620	1119	0.509	9380	9.980	1886	97 98	18	100	100	2.6		0.2
43	9.470		1021	9.490		1119			9.980		98	17			4'4		2.0
44	9.470		1021	9.490		1119			9.980 9.980		97	15			6.5		3.2
	9.470	6590	1021	9.490	5096	1119			9.980		98						
47	9.470	7611	1021	9.490	6214	1118	0.509	3786	9.980	1397	98 98	13					
48	9.470	8631	1021	9.490	7332	1118	0.509	2668	9.980	1299	97	12					
_	9.470		1019	9.490		1118	-	_	9.980		98	11			0. 4		o
50	9.471		1020	9,490		1117	0.509				98	10	-		7_	9	0
51	9.471	2710	1019	9.491	1802	1117	0.508	9315	9.980	1006	98	8			7	1	9.8
	9.471		1020	9.491	2010	1117	0.508	7081	9.980 9.980	0810	98	7			0.4) ⁶
14	9.471	4748		9.491	4036	1117	0.508	5964	9.980	0712	98	6			8.8).5
55	9.471	5767	1019	9.491	5153	1117	0.508	4847	9.980	0614	98 98	5		5 48	3.2	49	0.0
	9.471		1018	9.491	6269	1116	0.508	3731	9.980	0516	97	4	(5 58	3.2		8.8
57 58	9.471	8821	1018	9.491	7385	1116			9.980		99	3	1	07	6.6		8·6 8·4
50	9.471	9839	1010	9.491	9616	1115			9.980		98	2			3		3.2
	9.472		1017	9.492	-	1115			9.980		98	-0			3 1		-
i	Cos	-	d.	Cota		d. c.	Tar	-	Sir	-	d.	s.					
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S.	Sin.	d.	Tai	ng.	d. c.	Cot	ang.	Co)S.	d.						
o	9.472 0856	1017	9.492	0731	1116			9.980	0124	98	60	_ _	111	5	1113	1110
1	9.472 1873	1017	9.492		1116	0.507	8153	9.980	0026	98	59	1	111.	6	111.3	111.
2	9.472 2890	1016	9.492	2961	1114			9.979		98	58	2	223	-	222.6	222
3	9.472 3906	1016	9.492		1114			9.979		98	57	3	334		333.6	333
4	9.472 4922	1016	9.492	5190	1115			9.979		98	56	4	446		445'2	444
5	9.472 5938	1016	9.492		1113	0.507		9-979		98	55	5	558		556.5	555
6	9.472 6954	1015	9.492		1114			9.979		99	54	6	669		667.8	666
7	9.472 7969	1016	9.492		1114			9.979	30 MOVE	98	53	8	781	0.1	779'1	777 888
8	9.472 8985	1015	9.492	(E.) 1	1113	0.507		9.979	12.17 C.11	98	52	100			001.4	999
9	9.473 0000	1014	9.493		1113	0.506		9.979		99	51	91.	1004	41.	001 /1	999
0	9.473 1014	1015	9.493		1112	0.506		9.979	_	98	50	4	2011	1		0.75
1	9.473 2029	1014	9.493		1113	0.506		9.979		98	49	_	110	7	1104	110
2	9.473 3043	1014	9.493		1112		5903			99	48	1	110	- I	110.4	110
3	9.473 4057	1013	9.493		1112	0.506		9.979		98	47	2	221	-1	220.8	220
4	9.473 5070	1014	9.493		1112			9.979		98	46	3	332		331.5	330
5	9.473 6084	1013	9.493		1112	0.506		9.979		99	45	4	442		441.6	440
7	9.473 7097	1012	9.493		1111	0.506		9.979		98	44	5	553		552'0 662'4	660
8	9.473 9122	1013	9.494		1111	100	9233	9.979	0	99	42	7	774		772.8	770
9	9.474 0134	1012		1878	1111	0.505		9.979		98	41	8	885	5.1	883.5	880
0	9.474 1146	1012	_	00	1110	0.505	7012	9.979	8158	99	40	9	996		993.6	990
-		1012			1111	-	-	9.979		99	_	21	27	91		13
1	9.474 2158	1012	9.494		1110	0.505				98	39 38					
3	9.474 3170	1101	9.494		1110	0.505		9.979		99	37					
4	9.474 5192	1011	9.494		1110	0.505	The same of	9.979		98	36	10	222	1	2236	
5	9.474 6203	1011	9.494		1109		1462	9.979		99	35		IOI	7	1014	101
6	0 474 7212	1010	9.494		1109		100000000000000000000000000000000000000	9.979	100	99	34	1	101.		101'4	101
7	9.474 8224	1011	9.495		1109	0.504	0.00	9.979		99	33	2	203	100	202.8	202
8	0 474 0224	1010	9.495		1109	0.504		9.979		99	32	3	305		304.5	303
9	9.475 0243	1009	9.495		1109	0.504	7026	9.979		- 100	31	4	406		405.6	404
o	9.475 1253	1010	9.495		1108	0.504	5918	9.979	7171	99	30	5	508		507.0	505
1	9.475 2262	1009	9.495		1108	0.504		9.979		99	29	100	711		709.8	707
2	9.475 3271	1009		6298	1108		200 200 200	9.979		99	28	7 8	813	-1	811.5	808
3	9.475 4280	1009		7405	1107		2595			99	27	9	915	24	912.6	909
4	9.475 5288	1008		0	1108	11.00		9.979		99	26	21	3.3	91	2	, ,
5	9.475 6296	1008	9.495		1107	0.504	0380	9.979	6677	99	25	i.		0.1		
6	9.475 7304	1008	9.496	0727	1107			9.979		99	24		100		1005	100
7	9.475 8312	1007	9.496		1107	0.503		9.979	6479	99	23	1	100	-	100.2	100
8	9.475 9319	1008	9.496		1106	~~~	7060	9.979		99	22	2	201	_	201'0	200
9	9.476 0327	1007	9.496		1106	0.503	5954	9.979	6281	99	21	3	302		301.2	300
0	9.476 1334	1006	9.496	5152		0.503	4848	9.979	6182	100	20	4	403		402'0	400
1	9.476 2340	C/4Z 4	9.496		1106	0.503	3742	9.979	6082	100	19	5	504	-	502.2	501 601
2	9.476 3347	1007	9.496		1105		2637			99	18	7	705	-	703.2	701
3	9.476 4353	1006	9.496	8468	1105	0.503	1532	9.979	5884	99	17	8	806		804.0	801
4	9.476 5359	1005	9.496		1104			9.979		99	16	9	907	-1	904.2	901
5	9.476 6364	1006	9-497	0678	1105	0.502	9322	9.979	5686	99	15	31	3-1		7 7 31	,
6	2.11	1005	9.497	1783	1104	0.502	8217	9.979	5587	100	14					
7	9.476 8375	1005	9.497	2887	1104			9.979	5487	99	13					
8	9.476 9380	1004	9.497	3991	1104		6009		5300	99	12	11				
9	9.477 0384	1005	9.497	5095	1104		4905	9.979		99	11		1		1	
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3	9.477 4400	1003	9.497	9509	1102	0.502	0491	9.979	4891	99	7		3	29		9.7
4	9.477 5403	1003	9.498	0011	1103			9.979		99	6		4	39		9.6
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	9.477 7409	1003	9.498	2010	1102	0.501	6000	9.979	4593	99	4		7	68		9'4
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3	9.478	4422	1001	9.499		1100		9474 8374		3890	100	57	3	329		328		327·6
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6	9.478	7424	1001	9.499		1100		6174	9.979	3597	100	54	6	658		657		655.2
7	9.478	8424	1000		4926	1100		5074	9.979		100	53	7	768		766		764.7
8	9.478		999	9.499		1099	0.500	3974	9.979	3398	100	52	8	878	- '1	876	.0	873.6
9	9.479	0423	999	9.499		1099		2875	9.979		100	51	9	988	3.5	985	.2	982.8
10	9.479	1422	999	9.499	8224	1099	0.500	1776	9.979		100	50						
11	9.479	2421	999	9.499		1099		0677	9.979		100	49	_	_	108	39	108	36
12	9.479	-	998	9.500		1098		9578	9.979	2998	001	48		1	108	3.9	108	3.6
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1	9.490 079	071	9.511 8835	1074	0.488 1169		102	59	1	107'4	107	1 -
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5	9.490 468		9.512 3131	1074	0.487 6860	9.978 1550	103	55	5	537.0	536.	
6	9.490 565	071	9.512 4204	1074		9.978 1447	103	54	6	644.4	643	1 '
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9	9.490 856	2 970	9.512 7423	1072	0.487 2577		102	51	9	966.6		
10	9.490 953	970	9.512 8496	1073	0.487 1504	9.978 1036	103	50				, , ,
11	9.491 050	970	9.512 9568	1073	0.487 0432		103	49	П	1068	1066	1064
12	9.491 147	969	9.513 0641	1072		9.978 0830	103	48	1	106.8	106.	6 106.4
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16	9.491 534	668	9.513 4927	1071		9.978 0418	103	44	5	234.0	533	
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21	9.492 018	-1907	9.514 0280	1070	0.485 9720	9.977 9903	103	39	"	,	, ,,,,	., ,,,
22	9.492 115	067	9.514 1351	1071	0.485 8649	9.977 9799	104	38				
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24 25	9.492 308 9.492 404	1900	9.514 3490 9.514 4559	1069	0.485 5441	9.977 9593 9.977 9490	1.00	36 35		969	966	963
26	9.492 501		9.514 5629	1070	0.485 4371		1.03	34	1	96.9	96.	1 - 51
27	9.492 598	065	9.514 6698	1068	0.485 3302		104	33	2	193.8	193	
28	9.492 694	1965	9.514 7766 9.514 8835	1069	0.485 2234		103	32	3	290'7 387'6	289°	1 - 1
29 30	9.492 791	-1005		1068	0.485 0097		104	31	5	484.2	483	
31	9.492 984	- 905	9.514 9903 9.515 0971	1068	0.484 9020		103	30 29		581.4	579	1
32	9.493 080	s 905	9.515 2039	1068	0.484 7961		104	28	7 8	678°3	676.	_
33	9-493 1779	064	9.515 3107	1067	0.484 6893	9.977 8663		27	9	872.1	1 22	
34	9.493 273	064	9.515 4174	1068	0.484 5826		104	26	Ĭ '	•		
35 36	9.493 369 9.493 466	1903	9.515 5242 9.515 6309	1067	0.484 4758		103	25 24		9	60	957
37	9.493 562		9.515 7376	1067	0.484 2624			23	-	1 9	6.0	95'7
38	9.493 658	962	9.515 8442	1067	0.484 1558		103	22	ŀ			191.4
<u>39</u>	9.493 755	2062	9.515 9509	1066	0.484 0491		104	21		~ 1		287·1 382·8
40	9.493 851	- 1902	9.516 0575	1066	0.483 9425		103	20				478.5
41 42	9.493 947 9.494 043	21903	9.516 1641 9.516 2707	1066	0.483 8359		104	19 18		6 5	6.0	574.2
43	9.494 139	961	9.516 3772	1065	0.483 6228		104	17				669.9
44	9.494 236	962	9.516 4838	1065	0.483 5162	9.977 7523	104	16				765'6 861'3
	9.494 332; 9.494 428	961	9.516 5903 9.5 16 69 68	1065		9.977 7420	100	15	l	, , ,	7 7 1	
47	9-494 524	961	la.516 8033	1065	In 482 1065	9.977 7316 9.977 7212	1	14 13				
48	9.494 620	3136	9.516 9097	1064 1064	0.483 0903	9.977 7108	104	12				
49	9.494 716	1060	9.517 0101	1065	0.482 9839	9.977 7004	103	11				
50	9.494 812	166	9.517 1226	1063	0.482 8774		104	10	l _	_ -	03	104
51	9.494 908	260	9.517 2289	1064	0.482 7711	9.977 6797	الممعا	9 8	ľ		0.3	10'4
2	9.495 0040	959	19.517 3333	1064	0.482 6647	9.977 6693 9.977 6589	104	7			0.6 0.6	31.5 31.5
. 1	9.495 196	1900	lo. 517 5480	1063	0.482 4520	9.977 6485	104	6			1.5	41.6
į	9.495 292	959	9.517 6543	1063	0.482 3457	9.977 6381	104	5		5 5	1.2	52.0
	9.495 388	י איי אול	19.51/ /000	1063	0.482 2394	9.977 6277	104	4			1.8	62·4 72·8
3	9.495 484 9.495 580		9.517 8669 9.517 9731 9.518 9793	1062	0.482 0260	9.977 6173 9.977 6069	104	3			2·1 2·4	83.5
	9.495 675	958	9.518 0793	1062	0.481 9207	9.977 5965	104	1			2.7	93.6
١٦	9.495 771		9.518 1855	1002	0.481 8145		105	0			•	
,]	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.				1120	
0	9.495 7716	957	9.518 1855	1062		9.977 5860	104	60		062	1060	1058
1	9.495 8673	958	9.518 2917	1062	0.481 7083	9.977 5756	104	59	0.7	12.4	106.0	105.8
3	9.495 9631 9.496 0588	957	9.518 3979 9.518 5040	1061	0.481 6021	9.977 5652 9.977 5548	104	58 57	7.0	18.6	318.0	317'4
4	9.496 1545	957	9.518 6101	1061	0.481 3899	9.977 5444	104	56		24.8	424'0	423'2
5	9.496 2502	957 956	9.518 7162	1061	0.481 2838	9.977 5339	104	55	21 2	31.0	530.0	5290
6	9.496 3458	956	9.518 8223	1061	0.481 1777	9.977 5235	104	54		37'2	636.0	634
8	9.496 5370	956	9.518 9284 9.519 0344	1060	0.481 0716	9.977 5131	105	53 52		43'4	742°0	846
9	9,496 6326	956	9.519 1404	1060	0.480 8596	9.977 4922	104	51		55.8	954'0	and the state of
10	9.496 7282	956	9.519 2464	1060	0.480 7536	9.977 4818	104	50	77.2			
11	9.496 8237	955	9.519 3524	1060	0.480 6476	9.977 4713	105	49	11	056	1054	1052
12	9.496 9192	955 955	9.519 4583	1059	0.480 5417	9.977 4609	104	48	_	05.6	105'4	105
13	9.497 0147	955	9.519 5643	1059	0.480 4357	9.977 4504	104	47		11.5	210.8	210
14	9.497 1102 9.497 2056	954	9.519 6702 9.519 7761	1059	0.480 3298	9.977 4400	105	46		16.8	316.5	315
16	9.497 3010	954	9.519 8819	1058	0.480 1181	9.977 4191	104	45 44		28.0	421.0	5260
17	9.497 3964	954 954	9.519 9878	1059	0.480 0122	9.977 4086	105	43	2 2	33.6	632.4	631'2
18	9.497 4918	953	9.520 0936	1058	0.479 9064	9.977 3982	105	42	7 7	39.5	737.8	736.4
19	9.497 5871	953	9.520 1994	1058	0.479 8006	9.977 3877	105	41		44.8	843.5	841
20	9.497 6824	953	9.520 3052	1058	0.479 6948	9.977 3772	104	40	9 9	50'4	948.6	946.8
21	9-497 7777	953	9.520 4110	1057	0.479 5890	9.977 3668	105	39				
22	9.497 8730 9.497 9683	953	9.520 5167 9.520 6224	1057	0.479 4833	9.977 3563 9.977 3458	105	38 37				
24	9.498 0635	952	9.520 7282	1058	0.479 2718	9.977 3354	104	36	T.			4
25	9.498 1587	952	9.520 8338	1056	0.479 1662	9.977 3249	105	35	-	957	954	951
26	9.498 2539	952	9.520 9395	1056	0.479 0605	9.977 3144	105	34	2 1	95'7	95'4	95.1
27 28	9.498 3491 9.498 4442	951	9.521 0451	1057	0.478 9549	9.977 3039	105	33	2.4	87.1	286'2	285'3
29	9.498 5393	951	9.521 2564	1056	0.478 7436	9.977 2934 9.977 2829	105	32 31	4 3	82.8	381.6	380'4
30	9.498 6344	951	9.521 3619	1055	0.478 6381	9.977 2725	104	30		78.5	477'0	475'5
31	9.498 7295	951	9.521 4675	1056	0.478 5325	9.977 2620	105	29		74°2 69'9	572.4	570.6
32	9.498 8245	950	9.521 5730	1055	0.478 4270	9.977 2515	105	28		65.6	763'2	760'8
33	9.498 9195	950	9.521 6786	1055	0.478 3214	9.977 2410	105	27	9 8	61'3	858.6	855'9
34	9.499 0145	950	9.521 7841 9.521 8895	1054	0.478 2159	9.977 2305 9.977 2200	105	26 25	15.0			
36	9.499 2045	950	9.521 9950	1055	0.478 0050	9.977 2095	105	24		94	8 9	45_
37	9.499 2994	949 949	9.522 1004	1054	0.477 8996	9.977 1990	105	23	1			94'5
38	9.499 3943	949	9.522 2059	1054	0.477 7941	9.977 1884	105	22	2			89.0
39	9.499 4892	948	9.522 3113	1053	0.477 6887	9.977 1779	105	21	3	1000		83°5 78°0
40	9.499 5840	949	9.522 4166	1054	0.477 5834	9.977 1674	105	20	5		10.00	72'5
41	9.499 6789	948	9.522 5220 9.522 6273	1053	0.477 4780	9.977 1569	105	19	6	56	8.8 5	67.0
43	9.499 7737 9.499 8685	948	9.522 7326	1053	0.477 3727 0.477 2674	9.977 1464 9.977 1359	105	17	7			61.2
44	9.499 9633	948 947	9.522 8379	1053	0.477 1621	9.977 1253	106	16	8	1 6		56.0 50.2
	9.500 0580	947	9.522 9432	1053	0.477 0568	9.977 1148	105	15	,	1 03	3-13	,-,
46 47	9.500 1527	947	9.523 0485	1052	0.476 9515	9.977 1043	106	14				
	9.500 2474 9.500 3421	947	9.523 1537 9.523 2589	1052		9.977 0832	105	13 12				
49	9.500 4368	947	9.523 3641	1052	0.476 6359	9.977 0727	105	11				
50	9.500 5314	946	9.523 4693	1052	0.476 5307	9.977 0621	106	10		1 10	4 1	05
	9.500 6260	946 946	9.523 5744	1051		9.977 0516	105	-	1	10		0.2
52	9.500 7206	940	9.523 6795	1051	0.476 3205	9.977 0410	105	8	2			1.0
	9.500 8151	946	9.523 7847	1050		9.977 0305	106	7	3			1.2
	9.500 9097	945	9.523 8897 9.523 9948	1051		9.977 0199	105	5	5			2'0
	9.501 0987	945	9.524 0999	1051	0.475 9001	9.976 9988	106	4	6			3.0
57	9.501 1932	945	9.524 2049	1050	0.475 7951	9.976 9883	105	3	7	72	8 7	3'5
	9.501 2876	944 944	9.524 3099	1050	0.475 6901	9.976 9777	105	2	8			4.0
	9.501 3820	944	9.524 4149	1050	0.475 5851	9.976 9672	106	1	9	1 93	.6 9	4.2
00	9.501 4764		9.524 5199	1 - 2	Court of Court of the Court of	9.976 9566		0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S,				
			4	46	m							

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Γ			1	^h 14	m							-	
3.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.						
0	9.501 4764	944	9.524 5199	1049	0.475 4801	9.976 9566	106	60	_	1050	-	- -1	1046
1	9.501 5708	944	9.524 6248	1049		9.976 9460	106	59	1	105.0		4·8 9·6	104.6
	9.501 6652	943	9.524 7297 9.524 8346	1049		9.976 9354 9.976 9249	105	58	3	3150		4.4	313.8
3 4	9.501 7595 9.501 8538	943	9.524 9395	1049		9.976 9249	106	57 56	4	420	_	9.2	418.4
5	9.501 9481	943	9.525 0444	1049	0.474 9556	9.976 9037	106	55	5	525.0		4.0	523.0
6	9.502 0424	943	9.525 1492	1049	0.474 8508		106	54	6	630.0		8.8	627.6
7	9.502 1366	942	9.525 2541	1048		9.976 8825	105	53	7 8	735		3·6 8·4	732.5 735.5
9	9.502 2308 9.502 3250	942	9.525 3589 9.525 4637	1048	0.474 6411	9.976 8720 9.976 8614	106	52 51	9	945	_	3.5	
10	9.502 4192	942	9.525 5684	1047	0.474 4316	9.976 8508	106	50				-	- 1
11	9.502 5134	942	9.525 6732	1048	0.474 3268	9.976 8402	106	49	1	1044	10	42	1040
12	9.502 6075	941	9.525 7779	1047	0.474 2221	9.976 8296	106	48	1	104'	10	4.5	104'0
13	9.502 7016	94 I 94 I	9.525 8826	1047	0.474 1174	9.976 8190	106	47	2	208.8		8.4	208.0
14	9.502 7957	940	9.525 9873	1047		9.976 8084	106	46	3	313.		2.6	312.0
15 16	9.502 8897 9.502 9838	94 I	9.526 0920 9.526 1966	1046	0.473 9080	9.976 7978 9.976 7872	106	45 44	4 5	417.0		1.0	416.0
17	9.503 0778	940	9.526 3012	1046		9.976 7766	106	43	6	626.		5.5	624.0
18	9.503 1718	940	9.526 4058	1046	0.473 5942	9.976 7660	107	42	7	730	72	9.4	728.0
19	9.503 2658	939	9.526 5104	1046	0.473 4896	9.976 7553	106	41	8	835	83	3.6	
20	9.503 3597	939	9.526 6150	1045	0.473 3850	9.976 7447	106	40	9	939'	יו 93	7.8	936.0
21	9.503 4536	939	9.526 7195	1046	0.473 2805	9.976 7341	106	39					
22	9.503 5475 9.503 6414	939	9.526 8241 9.526 9286	1045	0.473 1759	9.976 7235 9.976 7129	106	38 37					
24	9.503 7353	939	9.527 0331	1045	1	9.976 7022	107	36	l i	042	1 0	39	936
25	9.503 8291	938 938	9.527 1375	1044	0.472 8625	9.976 6916	106	35	-	942	-	3.8	- 33. 6
26	9.503 9229	938	9.527 2420	1044		9.976 6810	107	34	2	188.		7.8	187'2
27	9.504 0167	938	9.527 3464	1044		9.976 6703	106	33	3	282.0	28		280.8
28 29	9.504 1105 9.504 2042	937	9.527 4508 9.527 5552	1044	0.472 5492	9.976 6597 9.976 6491	106	32 31	4	376.8		5.6	374 4
30	9.504 2980	938	9.527 6595	1043	0.472 3405	9.976 6384	107	30	5	471°C	1 .	9.5 3.4	468.0
31	9.504 3917	937	9.527 7639	1044		9.976 6278	106	29	7	659.	1 2	- 1	655.5
32	9.504 4853	936 937	9.527 8682	1043		9.976 6171	107	28	8	753	75	1.5	748.8
33	9.504 5790	936	9.527 9725	1043		9.976 6065	107	27	9	847.8	8 84	2.1	842.4
34 35	9.504 6726 9.504 7662	936	9.528 0768 9.528 1811	1043		9.976 5958 9.976 5852	106	26 25		_			
	9.504 8598	936	9.528 2853	1042		9.976 5745	107	24	-	_	933	_	30
37	9.504 9534	936	9.528 3895	1042		9.976 5638	107	23		- 1	93'3 86·6		36.0 36.0
38	9.505 0469	935	9.528 4937	1042		9.976 5532	107	22			79'9		9.0
<u>39</u>	9.505 1404	935	9.528 5979	1042	0.471 4021		107	21			73'2		2'0
40	9.505 2339	935	9.528 7021	1041	0.471 2979	9.976 5318	106	20		5 4	66.2		55.0
41	9.505 3274 9.505 4209	935	9.528 8062 9.528 9104	1042	0.471 1938	9.976 5212	107	19			59.8	1.5	8.0
42 43	9.505 5143	934	9.529 0145	1041		9.976 4998	107	17		40.0	46.4		14.0
44	9.505 6077	934 934	9.529 1186	1041	0.470 8814	9.976 4891	107	16			39'7	45	37.0
	9.505 7011	934	9.529 2226	1041		9.976 4785	107	15		6.5	2.61.0		19
	9.505 7945 9.505 8878	933	9.529 3267 9.529 4307	1040	0.470 6733	9.970 4078	107	14					
48	9.505 9811	933	9.529 5347	1040	0.470 4653		107	12					
49	9.506 0744	933	9.529 6387	1040	0.470 3613		107	11					
בחו	9.506 1677	933	9.529 7427		0.470 2573	9.976 4250	107	10	-		106		107
< 1	9.506 2609	932 933	9.529 8466	1039	0.470 1534	9.976 4143	107	9	ll î		10.6		0'7 1'4
	9.506 3542	933	9.529 9505	1040	0.470 0495	9.976 4036	107	100			31.8		2.1
	9.506 4474 9.506 5406	932	9.530 0545 9.530 1583	1038	0.469 9455	9.976 3929	107	7		~	12'4		2.8
	9.506 6337	931	9.530 2622	1039	0.469 7378	9.976 3715	107	5		5 3	3.0		3.2
5	9.506 7269	932	9.530 3661	1039	0.469 6339	9.976 3608	107	4			3.6	11	4'2
7	9.506 8200	931	9.530 4699	1038	0.469 5301		107	3		8 8	74°2 34°8	8	4.6 2.6
3	9.506 9131	930	9.530 5737	1038		9.976 3394	107	2			95'4		6.3
-	9.507 0061	931	9.530 6775 9.530 7813	1038		9.976 3287	108	-0				1	
1	9.507 0992 Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.					
Ţ	0.03,	м.				120 He	d.	-					
			4	45	70								

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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.507 0992	930	9.530 7813	1037	0.469 2187	9.976 3179	107	60		1038	1036	1034
1	9.507 1922	930	9.530 8850	1037	0.469 1150		107	59		103.8	103.6	1 -
	9.507 2852	930	9.530 9887	1038		9.976 2965	107	58		207.6	207	
3	9.507 3782 9.507 4712	930	9.531 0925 9.531 1961	1036		9.976 2858 9.976 2750	108	57 56		115.2	310.8	1
5	9.507 5641	929	9.531 2998	1037	0.468 7002	9.976 2643	107	55		19.0	518.0	
6	9.507 6570	929	9.531 4035	1037	0.468 5965	9.976 2536	107	54	6	22.8	621.6	620
7	9.507 7499	929	9.531 5071	1036		9.976 2428	107	53	1 21 3	26.6	725	
8	9.507 8428 9.507 9357	929	9.531 6107 9.531 7143	1036	0.468 2857	9.976 2321 9.976 2213	108	52 51		34.5	932.7	
10	9.508 0285	928	9.531 8179	1036	0.468 1821	9.976 2106	107	50	יוע ן	134 -	932 2	,, 930
11	9.508 1213	928	9.531 9214	1035	0.468 0786		107		1	1022	1020	1028
12	9.508 2141	928	9.532 0250	1036		9.976 1891	100	49 48		1032	1030	
13	9.508 3068	927 928	9.532 1285	1035	0.467 8915	9.976 1783	108	47		206.4	206.0	
14	9.508 3996	927	9.532 2320	1035		9.976 1676	108	46	3 3	309.6	309.0	
15	9.508 4923 9.508 5850	927	9.532 3355 9.532 4389	1034	0.467 6645		107	45		12.8	412	411'2
17	9.508 6777	927	9.532 5424	1035	0.467 5611	9.976 1461 9.976 1353	108	44 43		210.0		
	9.508 7703	926	9.532 6458	1034		9.976 1245	108	42		722.4 722.4	721	1 .
19	9.508 8630	927 926	9.532 7492	1034	0.467 2508		107	41	8	325.6	824	
20	9.508 9556	925	9.532 8526	1033	0.467 1474	9.976 1030	108	40	91 9	28.8		
21	9.509 0481	925	9.532 9559	1033	0.467 0441	9.976 0922		39				
22	9.509 1407	926	9.533 0593	1033	0.466 9407	9.976 0815	1 - 6	38				
23 24	9.509 2333 9.509 3258	925	9.533 1626 9.533 2659	1033		9.976 0707 9.976 0599	108	37 36				
25	9.509 4183	925	9.533 3692	1033	0.466 6308	9.976 0491	108	35	_ _	930	927	924
	9.509 5107	924 925	9.533 4724	1032	0.466 5276	9.976 0383	108	34	I	93.0	92"	
27	9.509 6032	924	9.533 5757	1033	0.466 4243	9.976 0275	108	33		186.0 279.0	185°2	
28	9.509 6956 9.509 7880	924	9.533 6789 9.533 7821	1032	0.466 3211	9.976 0167	107	32	-	372.0		
29 20	9.509 78804	924		1032	0.466 1147		108	31	5 4	165.0	463	1
30 31	9.509 9728	924	9.533 8853 9.533 9884	1031	0.466 0116		108	30		558.0		
32	9.510 0651	923	9.534 0916	1032		9.975 9736	108	29 28		51'0 744'0		- 1
33	9.510 1575	924	9.534 1947	1031	0.465 8053	9.975 9627	109	27		37.0		
34	9.510 2498	923	9.534 2978	1031	0.465 7022	1	108	26]		, ,,,	. J
35 36	9.510 3420 9.510 4343	923	9.534 4009 9.534 5040	1031	0.465 5991	9.975 9411	1.08	25	l	0:	21	918
37	9.510 5265	922	9.534 6070	1030		9.975 9195	100	24 23	1	-	2 I	91.8
38	9.510 6187	922 922	9.534 7101	1031	0.465 2899	9.975 9087	108	22	2			183.6
<u>39</u>	9.510 7109	922	9.534 8131	1030	0.465 1869		100	2 I	3	1 - 2		275'4
40	9.510 8031	922	9.534 9161	1029	0.465 0839		1.00	20	4	1 -		367.2
41	9.510 8953	921	9.535 0190	1030	0.464 9810		0	19	5			\$50.8 \$50.8
	9.510 9874 9.511 0795	921	9.535 1220 9.535 2249	1029	0.404 8780	9.975 8654 9.975 8546	1	18	7	64		642.6
43 44	9.511 1716	921	9.535 2249 9.535 3278	1029	0.464 6722		109	17 16	8	1 .~		34'4
45	9.511 2636	920	9.535 4307	1029	0.464 5693	9.975 8329	108	15	9	82	8.9 8	326.2
46	9.511 3557	921 920	9.535 5336	1029 1029	0.464 4664	9.975 8221	100	14				
47	9.511 4477	920	9.535 6365	1028		9.975 8112	108	13				
48 49	9.511 5397 9.511 6317	920		1028	0.464 2007	9.975 8004 9.975 7895	1	112				
_	9.511 7236	919	9.535 9449	1028	0.464 0551			10	1	1 74	o7	801
	9.511 8155	919	0.536 0477	1028		9.975 7678	109	-	-		0.4	10.8
	9.511 9074	919	0.536 1505	1028	0.463 8495	9.975 7570	100	9 8	2		1.4	21.6
53	9.511 9993	919	9.536 2532	1027	0.463 7468	9.975 7461	109	7	3		2.1	3 2 °4
54	9.512 0912	919	9.536 3559	1027	0.463 6441	9.975 7353	100	6	4	4		43'2
55	9.512 1830	919	9.530 4500	1027		9.975 7244	109	5	5			54.0 64.8
	9.512 2749 9.512 3667	918		1027		9.975 7135	108	4 2	7			64 [.] 8 75 [.] 6
	9.512 4584	917 918	9.536 7666	1026		9.975 6918	109	3 2	8			86.4
59	9.512 5502	910	9.536 8692	1026	0 462 1208	0 075 6800	109	1	9	, ,	. 1	97.2
60	9.512 6419	7.7	9.536 9719	1027	0.463 0281	9.975 6701	1.00	0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				
			4	A 44	186							
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			17	16'	n								
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.						
0	9.512 6419	917	9.536 9719	1025	0.463 0281	9.975 6701	109	60		102	6	1024	1022
1	9.512 7336	917	9.537 0744	1026	0.462 9256	9.975 6592	100	59	I	102		102'4	102.3
2		917	9.537 1770	1026	0.462 8230 0.462 7204		100	58	2	205		204.8	204'4
3 4	9.512 9170 9.513 0086	916	9.537 2796 9.537 3821	1025	0.462 6179	9.975 6374	109	57 56	3	307		307°2 409°6	306.6
	9.513 1003	917	9.537 4846	1025	0.462 5154		100	55		513		215.0	211.0
5	9.513 1919	916	9-537 5871	1025	0.462 4129	9.975 6048	1001	54	5	615	.6	614'4	613.5
7	9.513 2834	916	9.537 6896	1024	0.462 3104		100	53	7 8	718		716.8	715.4
8 9	9.513 3750 9.513 4665	915	9.537 7920 9.537 8945	1025	0.462 2080	9.975 5830 9.975 5721	109	52 51	9	923		921.6 819.5	919.8
10	9.513 5581	916	9.537 9969	1024	0.462 0031	9.975 5612		50	71	<i>j</i>	, TI	,	9.9
11	9.513 6496	915	9.538 0993	1024	0.461 9007	9.975 5503	109	<u>-</u>	1	102	20	1018	1016
12	9.513 7410	914	9.538 2017	1024	0.461 7983	9.975 5394		4 8	1	102		101.8	101.6
13	9.513 8325	915	9.538 3040	1024	0.461 6960	9.975 5285	100	47	2	202		203.6	203.5
14	9.513 9239	914	9.538 4064 9.538 5087	1023	0.461 5936	9.975 5176	100	46	3	306		305.4	304.8
15	9.514 0153	914	9.538 6110	1023	0.461 4913 0.461 3890	0.075 4057	1110	45 44	4	408	100	407'2	406.4
17	9.514 1981	914	9.538 7133	1023	0.461 2867	9.975 4848	1 2 0 9 1	43	5	612		200.8	508.0
18	9.514 2894	913	9.538 8155	1023	0.461 1845	9.975 4739	14041	42	7	714		712.6	
19	9.514 3808	913	9.538 9178	1022	0.461 0822	9.975 4630	109	41	8	816	5.0	814'4	812.8
20	9.514 4721	912	9.539 0200	1022	0.460 9800	9.975 4521	110	40	9	911	8.0	916.5	914.4
21	9.514 5633	913	9.539 1222	1022	0.460 8778	9.975 4411	109	39					
23	9.514 6546	912	9.539 2244 9.539 3266	1022	0.460 7756 0.460 6734	9.975 4302 9.975 4193	109	38					
24	9.514 8371	913	9.539 4287	1021	0.460 5713		110	37 36	١,		- 1		
25	9.514 9282	911	9.539 5309	1022	0.460 4691	9.975 3974	109	35	-	91	<u></u> -	912	909
26	9.515 0194	912	9.539 6330	1021	0.460 3670		110	34	2	18	1.2	91'2	
27 28	9.515 1106	911	9.539 7351	1020	0,460 2649 0,460 1629	9.975 3755 9.975 3646	109	33	3	27	- 1	273'6	1 11 11 11 11 11 11
29	9.515 2017 9.515 2928	911	9.539 8371 9.539 9392	1021	0.460 0608	9.975 3536	110	32 31	4	360		364.8	1 2 2
30	9.515 3839	911	9.540 0412	1020	0.459 9588	9.975 3427	109	30	5	45		456.0	
31	9.515 4750	911	0.540.1422	1021	0.459 8567	9.975 3317	110	29	7	549	0. E	547°2	
32	9.515 5660	910	0 540 2452	1020	0.459 7547	9.975 3208	109	2 8	8	-	2.0	729.6	1000
33	9.515 6570	910	9.540 3472	1020	0.459 6528	9.975 3098	110	27	9		3.2	820.8	
34	9.515 7480 9.515 8390	910	9.540 4492	1019	0.459 5508		109	26 25					
35 36		910	10.540 0521	1020	0.459 3469	9.975 2769	110	24			90	6 1	903
37	9.516 0209	909	9.540 7550	1019	0.459 2450	9.975 2659	110	23		I	-	0'6	90.3
38	9.516 1118	909	9.540 8569	1018	0.459 1431	9.975 2550	110	22		2	181	1000	80.6
39	9.516, 2027	909	9.540 9507	1019	0.459 0413		110	21	ŀ	3	271 36:		61.5
40	9.516 2936	909	9.541 0000	1018	0.458 9394		110	20		5	45.		51.2
41	9.516 3845	908		1018	0.458 8376 0.458 7358		109	19 18		6	54.		41.8
43		908		1010	0.458 6340		110	17		7	63	200	32.1
44	1 1 1-1	908	O CAT 4678	1018	0.458 5322	9.975 1891	110	16	l	8	72		22'4
45	9.516 7477	900	9.541 5696	1017	0.458 4304	9.975 1781	110	15		9	31	9119	12.7
46		007	9.341 0/13	1017		9.975 1671	110	14					
48	9.516 9291 9.517 0198	007	10.541 7730	1.0.7	10.458 1253	9.975 1561 9.975 1451	110	13 12					
9		1901	9.541 9764	1017	0.458 0236	9.975 1341	110	11					
0		907	0 542 0781	10.7	0.457 9219		110	10		١	10	9	110
1	9.517 2918	900		1016	0 457 8202	9.975 1121	110	9	-	1	10	9	11.0
2	9.517 3824	006	9.542 2813	1016	0.457 7187	9.975 1011	110	8	İ	2	21	8	22'0
3	9.517 4730	206	9.542 3829	10.6	0.457 0171	9.975 0901	110	7		3		7	33.0
1		906	0.542 5861	1016	0.457 5155	9.975 0791 9.975 0681	110	6		4			44.0
5 8,		1905	0.542 6877	12020	0 457 2522	9.975 0001		5 4		5		5 4	66.0
7		905	9.542 7892	1015		9.975 0460		3	ı	7	76		77.0
:8	9.517 9257	903	9.542 8907	1015	0.457 1093	9.975 0350	110	2		8	87	2	88.0
9	9.518 0162	1000	9.542 9922	1015	0.457 0078	9.975 0240		<u> '</u>	ı	9	98	1	99.0
•	177	1	9.543 0937		0.456 9063			P	l				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	5.	ı				

			1	A 17	m									
s.	Sin.	d.	Tang.	d. c.			Co)5.	d.					
0	9.518 1066	905	9-543 0937	1014	0.456	_	9.975		110	60		1014	1012	1010
1	9.518 1971	904	9.543 1951	1015	0.456		9.975		110	59	100	202'8	101'2	2020
2	9.518 2875 9.518 3778	903	9.543 2966 9.543 3980	1014	0.456		9-974 9-974		111	58	1.5	304.5	303.6	303
3	9.518 4682	904	9.543 4994	1014	0.456		9.974		110	56	-	405.6	404.8	404
5	9.518 5586	904	9.543 6008	1014	0.456	3992	9-974	9578	111	55	21.	507.0	200.0	505
6	9.518 6489	903	9.543 7022	1013	0.456		9-974		110	54	100	608.4	607'2	606
8	9.518 7392 9.518 8295	903	9.543 8035 9.543 9048	1013	0.456		9.974		111	53 52		709.8	708'4 809'6	808
9	9.518 9197	902	9.544 0061	1013	0.455	F. 1	9.974		110	51	1100 110	912.6	910.8	909
10	9.519 0100	903	9.544 1074	1013	0.455		9.974		111	50		200.14		
11	9.519 1002	902	9.544 2087	1013	0.455	7913	9.974		110	49	1	1008	1006	1004
12	9.519 1904	902	9.544 3100	1013	0.455	6900	9.974		111	48	1	100.8	100.6	100.
13	9.519 2806	901	9.544 4112	1012	0.455	5888	9.974		110	47	2	201.6	201.5	200
14	9.519 3707	901	9.544 5124	1012	0.455	2864	9.974		111	46	-	302'4	301.8	301,
15	9.519 4608	902	9.544 6136 9.544 7148	1012	0.455		9.974		111	44		403'2	402'4	502.
17	9.519 6410	900	9.544 8160	1012	0.455		9.974		110	43	2.1	504.0	203.0	602
18	9.519 7311	901	9.544 9171	1101	0.455	0829	9.974	8140	111	42	7	705.6	704'2	702
19	9.519 8212	900	9.545 0182	1011	0.454		9.974		111	41		806'4	804.8	803
20	9.519 9112	900	9.545 1193	1011	0.454	8807	9.974	7918	110	40	9	907.2	905.4	903.
21	9.520 0012	900	9.545 2204	1011	0.454	7796	9.974		111	39				
22	9.520 0912	900	9.545 3215 9.545 4226	1011	0.454		9.974 9.974		111	38 37				
23	9.520 1812	899	9.545 5236	1010	0.454		9.974		111	36	100		1242	0.0
25	9.520 3610	899	9.545 6246	1010	0.454		9.974		111	35		902	900	898
26	9.520 4509	899 899	9.545 7256	1010		2744	9.974		111	34	1	90'2	180.0	179
27	9.520 5408	899	9.545 8266	1010	0.454		9.974		111	33		270.6	270'0	269
28	9.520 6307	898	9.545 9276 9.546 0285	1009	0.454		9.974		111	32	-	360.8	360.0	359
-	9.520 7205	898	9.546 1294	1009	0.453		9.974		111	30	21	451'0	4500	449
30	9.520 8103	898	9.546 2303	1009	0.453		9.974		111	29	100	541'2	540'0	538
31 32	9.520 9001 9.520 9899	898	9.546 3312	1009	0.453	6688	9.974		111	28		721.6	720'0	718
	15 15 L + 16 L + 2	898 897	9.546 4321	1008	0.453	5679	9.974		111	27	DOM: N	811.8	810.0	
34	9.521 1694	897	9.546 5329	1000	0.453	4671	9.974		112	26	-1		1000	
35	9.521 2591	897	9.546 6338	1008	0.453		9.974		111	25	11	896	894	892
36 37	9.521 3488 9.521 4385	897	9.546 7346 9.546 8354	1008	0.453		9.974		111	24	1	89.6	89'4	89
38	9.521 5281	896	9.546 9362	1008	0.453		9.974		111	22		179'2	178.8	178
39	9.521 6178	897	9.547 0369	1007		9631	9.974		111	21	-	268.8	268.2	267
40	9.521 7074	896 896	9.547 1377	1007	0.452	8623	9.974	5697	111	20	- 1	358.4	357.6	356
41	9.521 7970	895	9.547 2384	1007	0.452		9.974	5586	112	19		448°0 537°6	447°0 536°4	535
42	9.521 8865	896	9.547 3391	1007			9.974		111	18	200	627.2	625.8	624'4
43		895	9.547 4398	1007	0.452		9.974		111	17	8	716.8	715'2	713
44	9.522 0656	895	9.547 5405 9.547 6411	1006			9.974		112	15	9	806.4	804.6	802
46	9.522 2446	895	9.547 7417	1006	0.452	2583	9.974		111	14				
47	9.522 3341	895 894	9.547 8424	1007	0.452	1576	9.974	4917	111	13				
	9.522 4235	895	9.547 9430	1005			9.974		112	12				
49	9.522 5130	894	9.548 0435	1006	0.451		9.974		111	11		100	01.	11
50	9.522 6024	893	9.548 1441	1005	0.451		9.974		112	10	-	-	-	11
51	9.522 6917	894	9.548 2446 9.548 3452	1006			9.974		112	9	2		() () () () ()	1.1 5.5
53	9.522 7811 9.522 8704	893	9.548 4457	1005	1000000	5543	9.974	4248	111	7	3		200	3.3
54	9.522 9598	894	9.548 5462	1005	DAET		9.974		112	6	4	44	0 4	4'4
55	9.523 0491	893 892	9.548 6466	1004	0.451	3534	9.974	4024	111	5	5	5 55		5.2
56	9.523 1383	893	9.548 7471	1004	0.451		9.974		112	4		1		
57	9.523 2276	892	9.548 8475	1004	0		9.974		112	3	3		0 7	7'7 8-8
	9.523 3168 9.523 4061	893	9.548 9479 9.549 0483	1004	0.450		9.974		112	1	0		73 11 11-3	9.9
	9.523 4953	892	9.549 1487	1004			9.974		111	-0				5.5
	Cos.	d.	Cotang.	d. c.	Tai		Si	-	d,	S.				
			- Mariani Maria											1

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s.	Sin.	d.	Tang.	d. c.	Cota	ng.	Co	-	d.					
0	9.523 49	53 891	9.549 1487	1004	0.450	8513	9.974	3466	112	60	_ .	1002	1000	998
1	9.523 58.	1041	0 540 2401	1003				3354	112	59	I	100.3	1	99.8
2	9.523 67		9.549 3494	1003		•	9.974		112	58	3	300.6		199 ^{.6}
3	9.523 76	27 801	9.549 4497	1003	0.450	4500	9.974 9.974	2018	112	57 56	4	400.8		
4	9.523 85	~ 1091	9.549 5500 9.549 6503	1003			9.974		112	55	5	201.0		499.0
5	9.523 94 9-524 03	1091	9.549 7506	1003				2794	112	54	6	601.5	600.0	598.8
7	9.524 11	1091	LO 540 8500	1003	0.450			2682	112	53	7	701'4	ا ا	
8	9.524 20		9.549 9511	1002				2570	112	52	8	301.8 801.6		798 [.] 4
9	9.524 29	71 800	9.550 0513	1002	0.449			2458	112	51	91	901 0	1 900 0	0902
10	9.524 38	890	10.550 1515	1002	0.449		9.974	2346	112	50	١,	6	1 004	
11	9.524 47		9.550 2517	1002		7483	9.974	2234 2122	112	49 48		996	994	992
12	9.524 56	40 88g	19.550 3519	1001	0.449			2009	113	47	2	99.6	1	99°2
13	9.524 65	- 1090		1001				1897	112	46	3	298.8		297.6
14	9.524 74 9.524 83	1000	0 FFO 6522	1001			9.974	1785	112	45	4	398.4		396.8
16	9.524 91		9.550 7523	1001	0.449			1673	113	44	5	498.0	497.0	
17	9.525 00		9.550 8524	1001			9.974	1560	112	43	6	597.6	1 7 0	
18	9.525 09	73 888	9.550 9525	1000	0.449		9.974 9.974	1448	112	42 41	7 8	796.8		793.6
19	9.525 18	000	9.551 0525	1000	0.448		9.974 9.974	1224	112	40	9	896.4		
20	9.525 27	1000	9.551 1525	1000			9.974	1111	113	39	"	y- 4	, ,,,,	
2 I	9.525 36	1,1007	9.551 2525	1000	0.448	7475 6475	9.974		112	38	l			
22 23	9.525 45 9.525 54	1007	9.551 3525 9.551 4525	1000	0.448	5475	9.974	0886	113	37				
24	9.525 62		9.551 5524	999	0.448	4476	9.974	0774	113	36	ŀı	890	888	886
25	9.525 71		OFFT BESA	999				0661	112	35	T	89.0	88.8	88.6
26	9.525 80	72 886	9.551 7523	999	0.448		9.974		113	34	2	178.0	1 .	177.2
27	9.525 89	58 886	9.551 8522	999			9·974 9·974		112	33 32	3	267.0		265.8
28	9.525 98		9.551 9521 9.552 0519	998	0.447		9.974		113	31	4	356.0		354.4
29	9.526 07 9.526 16	.6 000	9.552 1518	999		8482	9.974		112	30	5	445°0		
30		_ 1000	9.552 2516	998		7484		9986	113	29	7	623.0		620.5
31 32	9.526 256 9.526 33	5_ UU 5	10 550 3514	998	0.447	6486	9.973		113	28	8	712.0	1	708.8
33	9.526 42	1000		998 998	0.447	-		9761	113	27	9	801.0	799.2	797'4
34	9.526 51	50 884	19.552 5510	997	0.447	4490		9648	113	26 25				
35	9.526 60	_ 1003	9.552 6507	997	0.447		9·973 9·973		113	24		884	882	880
36	9.526 69: 9.526 78	1004	9.552 7504 9.552 8502	998	0.447				112	23	1	88.4		88.0
37 38	9.526 86		9.552 9499	997					113	22	2	176.8	1 2	176.0
39	9.526 95	1004	9.553 0496	997 996	0.446		9.973	9084	113	21	3	353.6 353.6		264.0 355.0
40	9.527 04		9.553 1492	997	0.446		<u>9.973</u>	8971	113	20	5	442.0		440.0
41	9.527 134	004	9.553 2489	997	0.446		9.973	8858	113	19 18	6	530.4		528.0
42	9.527 22	30 884	19.553 3405	996	0.446	0515	9.973	8745 8632	113	17	7	618.8		616.0
43	9.527 31	14 883	9.553 4481	996	0.446			8519	113	16	8	707:2		704.0
44	9.527 39		9.553 5477 9.553 6473	996			9.973	8407	112	15	9	795'0	793.8	7920
45 46	9.527 48	2-1003	9.553 7468	995	0.446	2532	9.973	8293	113	14				
47	9.527 66	14 882	9.553 8464	995	0.446	1536	9.973	8180	113	13				
48	9.527 75	26 882	9.553 9459	995	0.446	0541	9.973 9.973		113	12 11				
<u>49</u>	9.527 84	882	9.554 0454	995	0.445	8555	9.973		113	10		1 1	12 1	13
50	9.527 92		9.554 1449	995	0.445	7556	9.973		113	9	1	_		1'3
5 I - 7	9.528 01			994	0.445	6562	9.973	7615	113	8			2'4 2	2.6
	9.528 10			995	0445	5567	9.973	7502	113	7		3 3	3.6	3'9
, j	9.528 28	34 881 15 881	9.554 5427	994	0.445	4573	9.973	7388	113	6	13			5°2
;	9.528 36		9.554 6421	994	0.443	3579	9.973	7275	113	5				7.8
	9.528 45	77 880	9.554 7415	993	0.445	2585	9.973 9.973	7040	113	4 3				9.1
- 4	9.528 54	57 880	9.554 8408	994	O.44.	0508	9.973	6935	114	2		8 8	9.6	0.4
5	9.528 63	17	10 555 0305	993	0.444			6822	113	1	00	9 10	0.8 10	7.10
	9.528 72 9.528 80		9.555 1388	993	0.444	8612	9.973	6709	113	0				
1	Cos.	1 d.	The same of the sa	d. c.	Tat		The second second	n.	d,	s.				
	cus.	1 4.			1 m					=				
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			1	^h 19	N.				•					
s.	Sin.	d.	Tang.	d. c.	Cota	ing.	Co	s.	d.					
0	9.528 8097	879	9.555 1388	993	0.444	8612	9.973	6709	114	60		990	988	986
1	9.528 8976	88o	9.555 2381	993		7619	9-973		113	59	1	99.0		-1 -
3	9.528 9856 9.529 0735	879	9·555 3374 9·555 4367	993	0.444		9.973 9.973		114	58		198.0		
4	9.529 1614	879 879	9.555 5359	992	0.444		9.973		113	57 56	- 1	297:0 396:0		-,
5	9.529 2493	878	9.555 6351	992	0.444	3649	9.973	6141	114	55	5	495.0		
6	9.529 3371	878	9.555 7343	992			9.973		114	54		594.0		
8	9.529 4249 9.529 5128	879	9.555 8335 9.555 9327	992			9-973 9-973		113	53 52	1 - 1	693'0 792'0		1 5.
9	9.529 6006	878	9.556 0319	992	0.443		9.973		114	51		891.0	1 ::	
10	9.529 6883	877 878	9.556 1310	991	0.443	8690	9.973		114	50				
11	9.529 7761	877	9.556 2301	991	0.443	•. • =	9.973		113	49	_	_ _9	84	982
12 13	9.529 8638 9.529 9515	877	9.556 3292 9.556 4283	991	0.443	6708 5717	9.973		114	48	1		98.4	98.2
14	9.530 0392	877	9.556 5274	991			9.973 9.973		114	47 46	1		96.8	196.4
15	9.530 1269	877 877	9.556 6264	990			9.973		113	45	3		95.5	392·8
16	9.530 2146	876	9.556 7255	990			9.973		114	44			92.0	491.0
17 18	9.530 3022 9.530 3898	876	9.556 8245 9.556 9235	990	0.443		9.973 9.973		114	43	9	1 2	90'4	589'2
19	9.530 4774	876	9.557 0225	990	0.442		9.973		114	42 41	1		88·8 87·2	687 [.] 4 785 [.] 6
20	9.530 5650	876 875	9.557 1214	989	0.442		9.973	4435	114	40		1 1	85.6	883.8
21	9.530 6525	876	9.557 2204	990	0.442	7796	9.973		113	39		•		•
22	9.530 7401	875	9.557 3193	989	0.442		9.973		114	38				
23 24	9.530 8276 9.530 9151	875	9.557 4182 9.557 5171	989			9.973 9.973		114	37				
25	9.531 0025	874 875	9.557 6160	989			9.973		114	36 3 5	_ _	878	876	_
26	9.531 0900	874	9.557 7149	989	0.442	2851	9.973	3752	114	34	1	87.8		
27 28	9.531 1774 9.531 2649	875	9.557 8137	988			9.973		114	33		175.6 263.4		
29	9.531 3522	873	9.557 9125 9.558 0113	988	0.441		9.973 9.973		114	32 31		351.5	350	4 349
30	9.531 4396	874	9.558 1101	988	0.441		9.973		114	30	5	439.0	438	
31	9.531 5270	874 873	9.558 2089	988 988	0.441		9.973	3181	114	29		526·8 614·6		1 -
32	9.531 6143	873	9.558 3077	987	0.441		9.973		114	2Ś	۱ à ۱	702.4		
33 34	9.531 7016 9.531 7889	873	9.558 4064 9.558 5051	987	0.441		9.973 9.973	2952 2838	114	27 26	9	790.3	788	4 786
35	9.531 8762	873 873	9.558 6038	987			9.973	•	114	25 25		_	_	
36	9.531 9635	872	9.558 7025	987	0.441	2975	9.973	2610	114	24	_ _	872	870	_
37 38	9.532 0507 9.532 1379	872	9.558 8012 9.558 8998	986	0.441	-	9.973 9.973		114	23	I	87.2		
39	9.532 2251	872	9.558 9985	987	0.441		9.973	2266	115	22 21		174'4 261'6		
40	9.532 3123	872	9.559 0971	986	0.440		9.973	2152	114	20		348 [.] 8	348	
41	9.532 3994	871	9.559 1957	986 986	0.440		9.973		114	19	5	436.0		
42	9.532 4866	871	9.559 2943	985	0.440	7057	9.973		115	18		523.2 610.4	1 2	1 2
43 44	9.532 5737 9.532 6608	871	9.559 3928 9.559 4914	986	0.440		9.973 9.973		115	17 16	8	697.6	696	0 694
45	9.532 7479	871 870	9.559 5899	985			9.973		114	15	9	784.8	783	·o 781
46	9.532 8349	871	9.559 6884	985	0.440	3116	9.973	1465	115	14				
47 48	9.532 9220 9.533 0090	870		985	0.440	2131	9.973	1350	114	13				
49	9.533 0090	870	O FFO OSTO	985	0.440	0161	9.973 9.973	1121	115	12 11				
50	9.533 1830	870 869	* F P	984	0.439		9.973		115	10		1 1	13	114
51	9.533 2699	870	9.560 1808	985	0.439	8192	9.973	0892	114		_		1.3	11'4
52	9.533 3569	869	9.560 2792	984	0.439	7208	9.973	9777	115	9 8	2	2 2	2.6	22.8
53 54	9.533 4438 9.533 5307	869		984	0.439	0224	9.973 9.973	0062	115	7 6	3		3.9	34.5
55	9.533 6176	869 868	9.560 5743	903	0.439	4257	9.973	0433	114	5	9		5 ²	45 [.] 6
56	9.533 7044	869	9.560 6727	984	0.439	3273	9.973	0318	115	4	ě		7.8	68.4
57 58	9.533 7913	868	9.560 7710	983	0.439	2290	9.973	0203	115	3	7		9.1	79.8
59	9.533 8781 9.533 9649	868	9.560 9676	983			9.973 9.9 72		115	2 I	8	, ,	0'4	105.6 91.5
	9.534 0517	868	9.561 0659	983			9.972		115	-	۱ ۶	, , 10	- / [.020
	Cos.	d.	Cotang.	d. c.	Tar		Si		d.	s.				
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s,	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.534 0517	867	9.561 0659	982	0.438 9341	9.972 9858	2	60	-1	981	979	978
I	9.534 1384	868	9.561 1641	983	0.438 8359		115	59	1	98.1	97'9	97
_	9.534 2252 9.534 3119	867	9.561 2624	982	0.438 7376	9.972 9628	115	58	2	196.2	195.8	195
	9.534 3986	867	9.561 3606 9.561 4588	982	0.438 6394		111	57	3	294'3	293'7	293
	9.534 4853	867	9.561 5570	982	0.438 5412	9.972 9398		56	4	392'4	391.6	391
	9.534 5720	867 866	9.561 6552	982	0.438 3448	0.072 0168	115	55	5	490.2	489.5	489
7	9.534 6586	866	9.561 7533	981 982	0.438 2467	9.972 9053	11.2	54 53	7	686.7	587'4 685'3	684
	9-534 7452	866	9.561 8515	981	0.438 1485	9.972 8938	- 5	52	8	784'8	783'2	782
_	9.534 8318	866	9.561 9496	981	0.438 0504	9.972 8823	115	51	9	882'9		880
0	9-534 9184	866	9.562 0477	981	0.437 9523	9.972 8707	116	50		4		
1	9.535 0050	865	9.562 1458	981	0.437 8542	9.972 8592	115	49	1	976	974	973
	9.535 0915	866	9.562 2439	980	0.437 7561	9.972 8477	115	48	1	97.6	97'4	97
	9.535 1781 9.535 2646	865	9.562 3419	981	0.437 6581	9.972 8362	- 6	47	2	195'2	194'8	194
	9.535 3511	865	9.562 4400 9.562 5380	980	0.437 5600		1 - 31	46	3	292.8	292'2	291
- t	9.535 4375	864	9.562 6360	980	0.437 3640		1	45	4	390'4	389.6	389
7	9.535 5240	86 ₅	9.562 7340	980	0.437 2660		110	44	5	488.0	487'0	486
	9.535 6104	864	9.562 8319	979 980	0.437 1681	, ,, ,,	115	42	7	585.6	584'4 681'8	583
9	9.535 6968	864	9.562 9299	979	0.437 0701	9.972 7669	110	41	8	780.8	779'2	778
2	9.535 7832	864	9.563 0278	980	0.436 9722	9.972 7554	115	40	9	878.4	876.6	875
1	9.535 8696	864	9.563 1258	979	0.436 8742	9.972 7438	116	39	*			
2	9.535 9560	863	9.563 2237	979	0.436 7763	9.972 7323	11.5	38				
3	9.536 0423 9.536 1286	863	9.563 3215	979	0.436 6785	2.71	775	37				
5	9.536 2149	863	9.563 4194	979	0.436 5806	,,,,,,		36	1	866	864	862
-	9.536 3012	863	9.563 5173 9.563 6151	978	0.436 4827		2	35	1	86.6	86.4	86
7	9.536 3874	862	9.563 7129	978	0.436 2871	9.972 6861	- 6	34	2	173'2	172.8	172
8	9.536 4737	863 862	9.563 8107	978	0.436 1893			33 32	3	259'8	259'2	258
9	9.536 5599	862	9.563 9085	978	0.436 0915	9.972 6514	115	31	4	346.4	345.6	344
30	9.536 6461	862	9.564 0063	978	0.435 9937	9.972 6398	1116	30	5	433'0	432'0	431
3 I	9.536 7323	861	9.564 1040	977	0.435 8960			29	6	519.6	518.4	517
32	9.536 8184	861	9.564 2018	978	0.435 7982		110	28	8	606.5	604.8	689
33	9.536 9045	862	9.564 2995	977 977	0.435 7005	9.972 6051	115	27	9	779'4		
	9.536 9907 9.537 0768	861	9.564 3972	977	0.435 6028	1,,, 5,00	1 1 1 1	26	21	1127	111 -	113
36	9.537 1629	861	9.564 4949 9.564 5925	976	0.435 5051	9.972 5819	1.6	25	ī	860	858	856
37	9.537 2489	860	9.564 6902	977	0.435 4075	9.972 5703	1110	24	-	86.0	85.8	85
38	9.537 3350	861 860	9.564 7878	976	0.435 2122	9.972 5587 9.972 5471	110	23 22	2	172'0	171.6	171
39	9.537 4210	860	9.564 8855	977	0.435 1145	9.972 5355		21	3	2580	257'4	256
10	9.537 5070		9.564 9831	976	0.435 0169	9.972 5239	110	20	4	344.0	343'2	342
ıΙ	9.537 5930	860	9.565 0806	975	0.434 9194		116	19	5	4300	429'0	428
	9.537 6789	8 5 9 860	9.565 1782	976	0.434 8218	9.972 5007	110	18	6	216.0	514.8	513
- 1	9.537 7649	859	9.565 2758	976	0.434 7242		110	17	7	602'0	600.6	599
	9.537 8508	859	9.565 3733	975 975	0.434 6267	9.972 4775	116	16	8	688.0	686.4 772.2	684
6	9.537 9367 9.538 0226	859	9.565 4708	975	0.434 5292		116	15	9	774.0	1122	770
71	9.538 1085	859 858	9.565 5683 9.565 66 5 8	975	0.434 4317	9.972 4543		14				
8	9.538 1943	858		975	0.434 3342 0.434 2367	9.972 4427	31	13	10			
9	9.538 2801	858	9.565 8607	974	0.434 1393	0.072 4104	1 21	11				
	9.538 3660	859	9.565 9582	975	0.434 0418	9.972 4078		10		1 .		16
1	9.538 4517	857	9.566 0556	974	0.433 9444		110	_	-	_	_	16
2	9.538 5375	858	9.566 1530	974	0.433 9444	0.072 284	117	9				1.6
3	9.538 6233	858 857	9.566 2504	974	0.433 7496	9.972 3720	116	7			3.0 2	3°2 4°8
41	9.538 7090	857	9.566 3477	973	0.433 6523	9.972 3613		6		4 4		6.4
糽	9.538 7947	857	9.566 4451	974 973	0.433 5549	9.972 3496	117	5		5 5		8.0
	9.538 8804 9.538 9661	857	9.566 5424	973	0.433 4576	9.972 3380	116	4		6 6	0 6	9.6
	9.539 9517	856	9.566 6397 9.566 7370	973	0.433 3603	9.972 3264	117	3	13	7 80		1.5
9	9.539 1374 9.539 1374	857	9.566 8343	973	0.433 2630	0 070 2027	116	2				2.8
ō	9.539 2230	856	9.566 9316		0.433 1657	9.972 3031			1.5	9 10	5 10	4.4
÷	Cos.	d.		ا ا - ا	0.433 0684 Tang.	9.972 2914	111	0				
-		ч.	COURTIE.	d. c.	iang.	Sin.		5.				

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s.	Sin.	d.	Tang.	d. c.		Cos,	d.		2		5.17	140
0	9.539 2230	856	9.566 9316	972	0.433 0684		116	60		971	969	968
1	9.539 3086	856	9.567 0288	973	0.432 9712	9.972 2798	117	59	1	97'1	96.9	96
2	9.539 3942	855	9.567 1261	972		9.972 2681	116	58		291'3	193.8	193
3	9.539 4797	856	9.567 2233	972	0.432 7767	9.972 2565 9.972 2448	117	57 56	3	388.4	387.6	387
5	9.539 5653 9.539 6508	855	9.567 3205	972	0.432 5823		117	55		485'5	484'5	484
6	9.539 7363	855	9.567 5148	971	0.432 4852	9.972 2215	116	54	6	582'6	581.4	580
7	9.539 8218	855 855	9.567 6120	972		9.972 2098	117	53		679'7	678.3	677
8	9.539 9073	854	9.567 7091	971	0.432 2909	9.972 1981	117	52		776.8	775'2	774
9	9.539 9927	854	9.567 8063	971	0.432 1937	9.972 1864	116	51	9	873.9	872.1	871
10	9.540 0781	854	9.567 9034	970	0.432 0966	9.972 1748	117	50	-			
11	9.540 1635	854	9.568 0004	100000	0.431 9996	9.972 1631	117	49		966	964	96
12	9.540 2489	854	9.568 0975	971	0.431 9025	9.972 1514	117	48	1	96.6	96.4	96
13	9.540 3343	854	9.568 1946	970		9.972 1397	117	47	2	193'2	192'8	192
14	9.540 4197	853	9.568 2916	970		9.972 1280	116	46	3	289.8	289'2	288
15	9.540 5050	853	9.568 3886	970		9.972 1164	117	45	4	386.4	385.6	385
16	9.540 5903	853	9.568 4856 9.568 5826	970	0.431 5144	9.972 1047 9.972 0930	117	44	5	483'0	482'0	481
8	9.540 6756	853	9.568 6796	970	0.431 3204	9.972 0813	117	42	12.	579°6 676°2	578'4 674'8	674
19	9.540 8461	852	9.568 7766	970	0.431 2234	9.972 0696	117	41	8	772.8	771'2	779
20	9.540 9314	853	9.568 8735	969	0.431 1265	9.972 0579	117	40		869'4	867.6	
-		852		969	0.431 0296	9.972 0462	117	39	-11	2		
21	9.541 0166	852	9.568 9704 9.569 0673	969	0.430 9327	5. 5. 1. 1. 1. 1. 1. 1. 1. 1. 1.	117	38				
23	9.541 1870	852	9.569 1642	969	0.430 8358		118	37				
24	9.541 2721	851	9.569 2611	969	0.430 7389		117	36	Ĺ	855	853	85
25	9.541 3573	852	9.569 3579	969	0.430 6421	9.971 9993	117	35				85
26	9.541 4424	851	9.569 4548	968	0.430 5452	9.971 9876	117	34	2	85'5	85'3	170
27	9.541 5275	851	9.569 5516	968	0.430 4484		117	33	3	256.5	255'9	255
8	9.541 6126	850	9.569 6484	968	0.430 3516	9.971 9642	118	32	4	342.0	341.5	340
29	9.541 6976	851	9.569 7452	968	0.430 2548	9.971 9524	117	31	5	427'5	426'5	425
30	9.541 7827	850	9.569 8420	967	0.430 1580	9.971 9407	117	30	6	513.0	511'8	510
31	9.541 8677	850	9.569 9387	968	0.430 0613	9.971 9290	118	29	7	598.2	597'1	595
32	9.541 9527	850	9.570 0355	967	0.429 9645		117	28		684'0	682'4	680
33	9.542 0377	850	9.570 1322 9.570 2289	967	0.429 8678	9.971 9055 9.971 8938	117	26	9	769.2	767'7	765
34	9.542 1227	849	9.570 3256	967	0.429 6744	9.971 8820	118	25	11			
36	9.542 2926	850	9.570 4223	967	0.429 5777	9.971 8703	117	24		849	847	84
37	9.542 3775	849	9.570 5189	966	0.429 4811	9.971 8585	118	23	1	84'9	84.7	84
38	9.542 4624	849	9.570 6156	966	0.429 3844	9.971 8468	117	22	2	169.8	169'4	169
39	9.542 5472	849	9.570 7122	966	0.429 2878	9.971 8350	117	21	3	254'7	254'1	253
to	9.542 6321	848	9.570 8088	966	0,429 1912	9.971 8233	118	20	4	339,6	338.8	338
11	9.542 7169	200	9.570 9054	966	0.429 0946	9.971 8115	15.0	19	5	424'5	423'5 508'2	507
12	9.542 8018	849 848	9.571 0020	966	0.428 9980		117	18	7	594'3	592.0	591
13	9.542 8866	847	9.571 0986	965	0.428 9014		118	17	- 00	679.3	677'6	676
14	9.542 9713	848	9.571 1951	965	0.428 8049	9.971 7762	117	16		7641	762'3	100
	9.543 0561	847	9.571 2916	966	0.428 7084		118	15	-			17
10	9.543 1408	848	9.571 3882 9.571 4847	965		9.971 7527 9.971 7409	118	13				
7	9.543 2256 9.543 3103	847	9.571 5811	964	0 428 4180		118	12				
18	9.543 3950	847	9.571 6776	965	0.428 3224		117	11				
0	9.543 4796	846	9.571 7741	965	0.428 2259	9.971 7056	118	10		1 11	7 1	18
		847	9.571 8705	964		9.971 6938	118	-	-	_		1.8
1	9.543 5643 9.543 6489	846	9.571 9669	964		9.971 6820	118	9			4 2	3.6
3	9.543 7335	846	9.572 0633	964		9.971 6702	118	7				5'4
4		846	9.572 1597	964	0.427 8403	9.971 6584	118	6		4 46	8 4	7'2
55	9.543 9027	846	9.572 2561	964	0.427 7439	9.971 6466	118	5	1	5 58	5 5	9.0
6	9.543 9873	846	9.572 3524	963 964	a .am 6.m6	9.971 6348	118	4	(5 70		0.8
57	9.544 0718	845 845	9.572 4488	963		9.971 6230	118	3			2	2.6
58	9.544 1563	845	9.572 5451	963	0.427 4549	9.971 6112	118	2	8			4.4
9	9.544 2408	845	9.572 6414	063	0.42/ 3500		118	1		105	3 10	0.5
-		045	9.572 7377	303	10.427 2023	9.971 5876		0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s,				
_				h 38	· mi							

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I	3.	Sin.	d.	Tang.	d.c.	Cota	ang.	Cc		d.						
	٥		845	9.572 7377	962	0.427			5876	118	60		96	16	959	958
ı	I	9.544 4098	844	9.572 8339	963	0.427				118	59	1	-	6.1	95.8	95.8
ł	3	9.544 4942 9.544 5786	844	9.572 9302 9.573 0264	962	0.427	0090	9.971 9.971	5040	118	58 57	3		2·2 8·3	191'8 287'7	191'6 287'4
I	4	9.544 6630	844 844	9.573 1227	963 962	0.426	8773	9.971	5404	118	56	4		4.4	383.6	383.5
ı	5	9.544 7474	844	9.573 2189	962	0.426	7811	9.971	5286	110	55	5		0.2	479.5	479.0
1	6	9.544 8318 9.544 9161	843	9.573 3151	961	0.426	c888		5167	118	54 53	7		6·6 2·7	575°4 671°3	574 [.] 8
1	8	9.545 0005	844 843	9.573 5074	962 961			9.971		118	52	8		8.8	767.2	766.4
I	9	9.545 0848	843	9.573 6035	962	0.426	3965	9.971	4812	119	51	9	86	4.9		
1	10	9.545 1691	843	9.573 6997	961	0.426	3003	9.971		118	50					
I	11	9.545 2534	842	9.573 7958 9.573 8919	961	0.426				119	49		95		955	953
ı	12 13	9.545 3376 9.545 4219	843	9.573 9880	961			9.971		118	48 47	I	-	5.6	95.2	95.3
ı	14	9.545 5061	842 842	9.574 0840	960 961	0.425	9160	9.971	422 I	118	46	3	•	1.2 6.8	191.0	190'6 285'9
	15	9.545 5903	842	9.574 1801	960			9.971		118	45	4		2.4	382.0	381.5
- 31	16 17	9.545 6745 9.545 7586	841	9.574 2761 9.574 3721	960			9.97 I 9.97 I	3984 3865	119	44 43	5 6		8.0	477,5	476.5
- 61	18	9.545 8428	842 841	9.574 4681	960 960					119	42	7		3.6 9.2	573.0	571.8 667.1
- 11	19	9.545 9269	841	9.574 5641	960	0.425	4359	9.971	3628	119	41	8	76	4.8	764.0	762.4
ı,	20	9.546 0110	841	9.574 6601	959	0.425	3399	9.971	3509	118	40	9	86	0.4	859.5	
- 61	21	9.546 0951	841	9.574 7560	960	0.425	2440		3391	119	39					
- 14	22 23	9.546 1792 9.546 2632	840	9.574 8520 9.574 9479	959			9.971 9.971		119	38 37					
ı	24	9.546 3472	840 841	9.575 0438	959	0.424	9562	9.971	3035	118	36	١,	8.	43	841	820
	25	9.546 4313	840	9.575 1397	959 958			9.971		119	35	- I		4.3	84.1	839
		9.546 5153 9.546 5992	839	9.575 2355 9.575 3314	959	0.424		9.97 I 9.97 I		119	34	2		8.6	168.5	167.8
	28	9.546 6832	840 839	9.575 4272	958			9.971		118	33 32	3	_	2.9	252.3	251.7
	29	9.546 7671	840	9.575 5231	9 59 9 5 8	0.424	4769	9.971	2441	119	31	4		7:2	336.4	335.6
	30	9.546 8511	839	9.575 6189	958	0.424	3811	9.971		119	30	5		1 5 5 8	420.2 504.6	419.2 503.4
	31	9.546 9350	839	9.575 7147	957	0.424	2853		2203	119	29	7	-	0.1	588.7	587.3
	32 33	9.547 0189 9.547 1027	838	9.575 8104 9.575 9062	958		1896 0938		_	119	28 27	8	-	4.4	672.8	671.3
- 44	34	9.547 1866	839 838	9.576 0019	957	0.423	17.	9.971	1846	119	2 6	9	75	8.7	756.9	755.1
	35	9.547 2704	838	9.576 0977	958 957			9.971	1727	119	25	,	8	38	836	834
-	36 37	9.547 3542 9.547 4380	838	9.576 1934 9.576 2891	957			9.971 9.971		119	24 23	-		3.8	83.6	83.4
	38	9.547 5218	838 837	9.576 3848	957			9.971		119	22	2		7.6	167.2	166.8
	39	9.547 6055	838	9.576 4804	956 957	0.423	5196	9.971	1251	119	21	3	-	1'4	250.8	250.5
	40	9.547 6893	837	9.576 5761	956	0.423	4239		1132	119	20	5		5°2	334'4 418'0	333.6 417.0
- 14	41	9.547 7730	837	9.576 6717	956	0.423				119	19 18	6		2.8	201.6	200.4
- 1	42 43	9.547 8567 9.547 9404	837	9.576 7673 9.576 8629	956			9.97 I 9.97 I		120	17	7	-	6.6	585.2	583.8
ı	44	9.548 0240	836 837	9.576 9585	956 956			9.971		119	16	8	•	0'4 4'2	668·8	750.6
I	45	9.548 1077	836	9.577 0541	955			9.971		119	15	91	73	4 ~1	132 4	7300
		9.548 1913 9.548 2749	836	9.577 1496 9.577 2452	956			9.97 I 9.97 I		120	14 13					
ı	48	9.548 3585	836 836	9.577 3407	955	0.422	6593	9.971	0178	119	12					
	49	9.548 4421	835	9.577 4362	955 955			9.971		120	11					
	50	9.548 5256	836	9.577 5317	955	0.422				119	10	-			<u> </u>	20
	51	9.548 6092 9.548 6927	835	9.577 6272	954			9.970		119	9 8	l	1 2			2.0
	į	9.548 7762	835	9.577 7226 9.577 8181	955	0.422	1819	9.970 9.970	9581	120	7		3			4.0 9.0
	٦l	9.548 8597	835 834	0.577 0135	954	0.422	0865	9.970	9462	119	6	l	4	4	7.6 4	8·o
	į	9.548 9431	835	9.578 0089	954 954	0.421	9911	9.970	9342	119	5		5			0.0
	,	9.549 0266 9.549 1100	834	9.578 1043 9.578 1997	954			9.970 9.970		120	3		7			2'0 4'0
		9.549 1934	834 834	9.578 2951	954	0.421	7049	9.970	8983	120	2		8		2 9	6·0
		9.549 2768	834	9.578 3904	953 954	0.421	6096	9.970	8864	119	_1		9	107	.1 10	8.0
	J	9.549 3602		9.578 4858		10.421					0					
	1	Cos.	d.		d. c.	Tai	ng.	Si	n.	d.	5.					
				4"	37	ກເ										

			1'	23	m									
5.	Sin.	d.	Tang.	d. c.	Cota	ing.	Co	os.	d.					
0	9.549 3602	833	9.578 4858	953	0,421	5142	9.970	8744	120	60	1	952	951	949
1	9.549 4435	834	9.578 5811	953	0.421		9.970		119	59	1	95'2	95.1	
3	9.549 5269 9.549 6102	833	9.578 6764 9.578 7717	953	0.421				120	58	2	190'4		189
	A Comment	833	9.578 8669	952	0.421				120	57 56	3	380.8	380.4	
5	9.549 7767	832 833	9.578 9622	953 952			9.970		119	55		4760		
6	9.549 8600	832	9.579 0574	953	0.420				120	54	5	571'2	570-6	569
78	9.549 9432	833	9.579 1527	952	0.420				120	53	7	666.4		
9	9.550 0265	832	9.579 2479 9.579 3431	952	0.420		9.970		120	52 51	8	761.6	855.6	
10	9.550 1929	832	9.579 4382	951	0.420		9.970		120	-	31	0300	1 033 9	854
īī	9.550 2760	831	9.579 5334	952	0.420		9.970	_	120	50 49	1	947	046	1 044
12	9.550 3592	832	9.579 6286	952			9.970		120	48	1	947	946	944
13	9.550 4423	831	9.579 7237	951	0.420	2763	9.970	7186	120	47	2	189'4	189'2	
	9.550 5254	831	9.579 8188	951	0.420		9.970		120	46	3	294'1	283'8	
15	9.550 6085	831	9.579 9139 9.580 0090	951	0.420		9.970		120	45	4	378.8	378'4	
17	9.550 6916	831	9.580 1041	951	0.419		9.970 9.970		120	44	5	473'5	473'0	
18	9.550 8577	830	9.580 1991	950			9.970		120	43	7	568.2		
19		830	9.580 2941	950	0.419		9.970		120	41	8	757.6		
20	9.551 0237	830	9.580 3892	1.0.7	0.419	6108	9.970	6346	120	40	9	852'3	1	
21	9.551 1067	830	9.580 4842	950	0.419	5158	9.970	6226	120	39				
22	7.33	830	9.580 5792	949	0.419		9.970	- 24	120	38				
23	9.551 2727	829	9.580 6741	950	0.419		9.970		120	37				
24	9.551 3556	829	9.580 7691 9.580 8641	950	0.419		9.970		121	36	1	833	831	829
26	9.551 4385	829	9.580 9590	949	0.419		9.970		120	35 34	1	83.3	83'1	
27	9.551 6043	828	9.581 0539	949			9.970	5504	120	33	2	166.6	166.2	1658
28	9.551 6871	829	9.581 1488	949 949	0.418	8512	9.970	5383	120	32	3	249'9		1. /
29	9.551 7700	828	9.581 2437	948			9.970	5263	120	31	5	333'2		1
30	9.551 8528	828	9.581 3385	949	0.418		9.970	5143	121	30	6	499.8		
31	9.551 9356	828	9.581 4334	948	0.418		9.970		120	29	7	583'1	581"	4
32	9.552 0184	828	9.581 5282	949	0.418		9.970		121	28	8	666.4		663'2
33	9.552 1839	827	9.581 6231	948	0.418		9.970 9.970		120	27 26	9	749'7	747'9	746.1
35	9.552 2667	828	9.581 8127	948	0.418	-	9.970		121	25		100		
36	9.552 3494	827	9.581 9074	947 948	0.418		9.970	4419	121	24	_	827	825	823
37	9.552 4321	827	9.582 0022	947			9.970		121	23	1	82.7	82'5	
38	9.552 5148	826	9.582 0969	948	0.417	6 A	9.970		120	22	2	1654		
39	9.552 5974	827	9.582 1917	947	_		9.970		121	21	3	330.8		
to	9.552 6801	826		947	0.417		9.970	3937	121	20	5	413'5		
12	9.552 7627 9.552 8453	826	9.582 3811 9.582 4758	947	0.417		9.970	3816	121	19	6	496.2		1
13	9.552 9279	826 826	9.582 5704	946	0.417				120	17	7 8	578.9		
14	9.553 0105	825	9.582 6651	947 946	0.417				121	16	9	661.6	100000000000000000000000000000000000000	
	9.553 0930	825	9.582 7597	946	0.417				121	15	91	744'3	742'5	740'7
17	9.553 1755	826	9.582 8543	946	0.417				121	14				
18	9.553 2581	825	9.582 9489 9.583 9435	946	0.417				121	13				
19	9.553 4230	824	9.583 1381	946	0.416	8619	9.970	2849	121	11				
50	9.553 5055	825	9.583 2327	946	0.416		9.970		121	10		1 1	20	121
51	9.553 5880	825	9.583 3272	945	0.416				121	-	15	_	_	12'1
52	9.553 6704	824 824	9.583 4217	945	0.416	5783	9.970	2486	121	8				24'2
53	9.553 7528	824	9.583 5163	946	0.416	4837	9.970	2365	121	7		3 3	6.0	36.3
54	9.553 8352	824	9.583 6108	944	0.416	3892	9.970	2244	121	6				48.4
	9.553 9176	823	9.583 7052 9.583 7997	945	0.416	2048	9.970	2123	121	5	1.3	20.11		60.5
57	9.553 9999 9.554 0823	824	9.583 8942	945	0.416	1058	9.970	1881	121	4				72.6 84.7
58	9.554 1646	823 823	9.583 9886	944	0.416	0114	9.970	1760	121	3				96.8
59	9.554 2469	800	9.584 0830	944	0.415	9170	9.970	1639	121	1				08'9
0	9.554 3292	3	9.584 1774	944	0.415	8226	9.970	1517	122	0				
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0	9.559 2338	812	9.589	8142	935	0.410	1858	9.969	4196	123	60	_	934	_	33	931
1	9.559 3150	812	9.589	9077	935		0923	9.969		123	59	I	93		3.3	93
2	9.559 3962	811	9.590		933			9.969		123	58	2	186	1 15	86.6	186
3	9-559 4773	812	9.590		935			9.969		123	57	3	280		79.9	279
4	9.559 5585	811	9.590		934			9.969	- 0	123	56	4	373		73.2	465
5	9.559 6396	811	9.590		934		• -	9.969		123	55	5	560		59.8	558
6	9.559 7207	811	9.590		934		6251			123	54	7	653		23.1	651
7	9.559 8018	811	9.590		934			9.969		123	53 52	8	747		16.4	744
8	9.559 8829	811	9.590		934		4383	9.969	-	123	51	9	840		39.7	
9	9.559 9640	810	9.590		933					123	-	21	-4-	-1	,,,,	3,
10	9.560 0450	811	9.590		934	0.409	-	9.969	-	123	50					
11	9.560 1261	810	9.590		933		1582			123	49	_	929	_	28	92
12	9.560 2071	810	9.590		933			9.969		123	48	I	92		92.8	9:
13	9.560 2881	810	9.591		933			9.969		123	47	2	185		85.6	18
4	9.560 3691	809	9.591		933			9.969		123	46	3	278		78.4	27
15	9.560 4500	810	9.591		932			9.969		124	45	4	371		71.5	379
	9.560 5310	809	9.591		933		6918			123	44	5	464	-	0.40	46
17	9.560 6119	809	9.591		932			9.969		123	43	6	557		56.8	55
18	9.560 6928	809	9.591		933		5053			124	42	7	650		19.6	64
19	9.560 7737	809	9.591	5000	932			9.969		123	41	8	743		12'4	74 83
20	9.560 8546	808	9.591	6812	932	0.408		9.969		123	40	91	836	11 0	35.5	03.
21	9.560 9354	800	9.591		931			9.969		124	39					
22	9.561 0163	808	9.591		932			9.969		123	38					
23	9.561 0971	808	9.591	9607	932			9.969		123	37					
24	9.561 1779	808	9.592	0539	931			9.969		124	36	1	811	1 8	09	80
25	9.561 2587	808	9.592	1470	931		-	9.969		123	35	r	81	1	80'9	80
26	9.561 3395	807	9.592		931		7599			124	34	2	162		61.8	16
27	9.561 4202	808	9.592		931			9.969		124	33	3	243	3 2	12'7	24
28	9.561 5010	807	9.592		931		5737			123	32	4	324		23.6	32
29	9.561 5817	807	9.592		930		4806	_	_	124	31	5	405	5 40	04'5	40
30	9.561 6624	807	9.592	6124	931	0.407	3876	9.969	0499	123	30	6	486	6 4	85'4	48
31	9.561 7431	806	9.592	7055	930		2945			124	29	7	567	7 5	66.3	56
32	9.561 8237	807	9.592		930			9.969		124	28	8	648		17'2	64
	9.561 9044	806	9.592		931			9.969		123	27	9	729	9 7	58.1	720
-	9.561 9850	806	9.592		929			9.969		124	26					
35	9.562 0656	806	9.593		930			9.968		124	25	1	806	1 8	05	80
_	9.562 1462	806	9.593		930			9.968		124	24	1	80	_	80.2	80
	9.562 2268	806	9.593		929			9.968		123	23	2	161	100	61.0	160
	9.562 3074	805	9.593		929			9.968		124	22	3	241	_	41.2	240
_	9.562 3879	806	9.593		930		5507		9386	124	21	4	322		22.0	321
10	9.562 4685	805	9.593	5423	929	0.406		9.968	9262	124	20	5	403		02'5	401
	9.562 5490	805	9.593		929			9.968		124	19	6	483		83.0	48
12	9.562 6295	804	9.593	7281	929			9.968		124	18	7	564		63.2	56:
13	9.562 7099	805	9.593	8200	929			9.968		124	17	8	644		14.0	641
4	9.562 7904	804	9.593	9138	928			9.968		124	16	9	725	100	24'5	72
	9.562 8708	805	9.594	0066	929	l	9934	9.968	8042	124	15					-
	9.562 9513	804	9.594		928	0.405	9005	9.968	8518	124	14					
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5 1	9.563 3531	804	9.594	5634	927			9.968		125	9		1	12'3		2'4
	9.563 4335	803	9.594	6561		0.405	3439	9.968	7773	124	8		2	24.6		4.8
	9.563 5138	803	9.594	7488	927	0.405	2512	9.968	7649	124	7		3	36.9		7.2
54	9.563 5941	802	O FOA		928	0.405	1584	9.968	7525	124	6	111	4	49'2		9.6
55	9.563 6743	803	9.594	9343	927	0.405	0657	9.968	7401	125	5		5	61.2		2.0
56	9.563 7546	802	9.595	0269	927	0.404	9731	9.968	7276	124	4		6	73.8		4.4
	9.563 8348	802	OFOF		927			9.968		124	3		7	86.1		6.8
	9.563 9150	802	9.595		927			9.968	7028	125	2		8	98.4		9.2
59	9.563 9952	802	9.595	3049	926	0.404				124	_1		9 1	10.4	111	1.6
	9.564 0754	002	9.595		720	0.404	6025	9.968	6779		0					
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S.	Sin.	d.	Tang.	d. c.	Cotang.	T	Co	s.	d.						
0	9.564 0754	802	9.595 3975	926	0.404 60		9.968	6779	124	60	_1	92	5	924	922
1	9.564 1556	802	9.595 4901	926	0.404 50	99	9.968	6655	125	59	I		2.2	92.4	92.5
3	9.564 2358 9.564 3159	108	9.595 5827 9.595 6753	926	0.404 41		9.968	6406	124	58 57	3	18 27	- 1	184.8	184·4 276·6
4	1 1 2 1 2 2 1	108	9.595 7679	926	0.404 23	21	9,968	6281	125	56	4	37	,	369.6	368.8
5	9.564 4761	801	9.595 8604	925 926	0.404 13	96	9.968	6157	125	55	5	46:	- 1	462.0	461.0
	9.564 5562 9.564 6363	801	9.595 9530 9.596 0455	925	0.404 04 0.403 9 5	70 45	9.908	5908	124	54 53	7	64	5.0 7.2	554 [.] 4 646 [.] 8	553 ^{.2}
	9.564 7163	800 800	9.596 1380	925	0.403 86	20	9.968	5783	125	52	8	74	0.0	739.2	737.6
9	9.564 7963	801	9.596 2305	925	0.403 76			5658	124	<u>5 I</u>	9	83:	2.2	831.6	829.8
10	9.564 8764	800	9.596 3230	925	0.403 67		9.968	5534	125	50	١,		_ 1		0
I I I 2	9.564 9564 9.565 0363	799	9.596 4155 9.596 5079	924	0.403 58 0.403 49		9.968 9.968	5409 5284	125	49 48	-	92		919	91.8
13	9.565 1163	800	9.596 6004	925	0.403 39	96	9.968	5159	125	47	1 2	18	2 · I	183.8 91.0	183.6
14	9.565 1962	799 800	9.596 6928	924 924	0.403 30	72	9.968	5035	125	46	3	27	6.3	275.7	275.4
16	9.565 2762 9.565 3561	799	9.596 7852 9.596 8776	924	0.403 21		9.968		125	45 44	4		8.4	367.6	367.2
17	9.565 4360	799	9.596 9700	924	0.403 03	00	9.968	4660	125	43	5	46 55	1	459°5	459°0
18	9.565 5159	799 798	9.597 0623	923	0.402 93	77 I	9.968	4535	125	42	7	64	4.2	643'3	642.6
19	9.565 5957	799	9.597 1547	923	0.402 84		9.968 9.968	4410	124	41	8		6·8	735°2 827°1	734 [.] 4 826 [.] 2
20	9.565 6756	798	9.597 2470 9.597 3393	923	0.402 75		9.968	4161	125	40	9	02	9	02/1	0202
21 22	9.565 7554 9.565 8352	798	9. 5 97 3393 9. 5 97 4317	924	0.402 56			4036	125	39 38					
23	9.565 9150	798 798	9.597 5239	922	0.402 47	61	9.968	3911	125	37					
24 25	9.565 99 4 8 9.566 074 5	797	9.597 6162 9.597 7085	923	0.402 38		9.968	3786 3661	125	36	_1	80	1	799	797
26	9.566 1543	798	9.597 7085 9.597 8007	922	0.402 19			3535	126	35 34	1	_	0.1	79'9	79'7
27	9.566 2340	797 797	9.597 8930	923	0.402 10			3410	125	33	3	24	0.3	159 [.] 8	159'4 239'1
28 29	9.566 3137	797	9.597 9852 9.598 0774	922	0.402 01		9.968 9. 9 68	3285 3160	125	32	4	•	0.4	319.6	318.8
30	9.566 3934 9.566 4731	797	9.598 0774 9.598 1696	922	0.401 83		9.968	3035	125	31 30	5	40		399.2	398.5
31	9.566 5528	797	9.598 2618	922	0.401 73		9.968	2910	125	29	6	• •	0.6	479'4 559'3	478 [.] 2
32	9.566 6324	796 796	9.598 3540	922		60	9.968		126	2Ś	8		0.8		637.6
33		796	9.598 4461	921	0.401 55		9.968	2659	125	27	9	72	0.0	719.1	717.3
34 35	9.566 7916 9.566 8712	796	9.598 5382 9.598 6304	922	0.401 40		9.968 9. 9 68		126	26 25					
36		796 796	9.598 7225	921 921	0.401 27	75	9.968	2283	125	24	-	79		794	792
37	9.567 0304	795	9.598 8146 9.598 9067	921	0.401 18		9.968 9.968		126	23 22	I 2	-	9·6 9·2	79 [°] 4 158 [°] 8	79 [.] 2
38 39	1 2 4 2 7 1	795	9.598 9987	920	0.401 00		9.968	1907	125	21	3	23		238.5	237.6
40	9.567 2689	795	9.599 0908	921	0.400 90		9.968	1781	126	20	4		8.4	317.6	316.8
41	9.567 3484	795 795	9.599 1828	920 920	0.400 81		9.968	1656	125	19	5		8·0 7·6	397'0 476'4	396°0
42	1,2,1	794	9.599 2748	921			9.968	1530	125	18	7	55	7.2	555.8	554.4
43 44	1	795	9.599 3669 9.599 4588	919	0.400 63 0.400 5 4			1279	126	17 16	8	63		635.5	633.6
	9.567 6662	794 794	9.599 5508	920 920	0.400 44	92	9.968	1154	125 126	15	9	710	6.4	714.6	712.8
	9.567 7456	794	9.599 6428	919	0.400 35 0.400 26	72	9.968	1028	125	14					
47 48		794	9.599 7347 9.599 8267	920	0.400 20				126	I 3 I 2					
49	9.567 9837	793	9.599 9186	919	0.400 08	14	9.968	0651	126	11					
50	9.568 0631	794 793	9.600 0105	919	0.399 98		9.968		125	10	_			<u> </u>	26
51		793	9.600 1024	919	0.399 89	76	9.968	0400	126	9 8		1 2		-	12·6 15·2
1	9.568 2217 9.568 3010	793	9.600 1943 9.600 2862	919	0.399 80	3/ 38	9.908	0148	126	7	ĺ	3			25 2 37·8
	9.568 3803	793	9,600 3780	918	0.399 62	20	9.968	0022	126 126	6		4	5	0.0	50.4
	9.568 4595	792 792	9.600 4699	919	0.399 53	01	9.967	9896	125	5		5			63 [.] 0 75 [.] 6
	9.568 5387 19.568 6180	793	9.600 5617 9.600 6535	918	0.399 43				126	3		7			88·2
	9.568 6972	792	9.600 7453	918	0.399 25	47	9.967	9519	126 126	2	l	8	10	00 1	9.00
	9.568 7764	792 791	9.600 8371	0.0	0.399 10				126	<u> </u>		9	II	2.2 1	13'4
ľ	9.568 8555		9.600 9289		0.399 07	111				<u> </u>					
	Cos.	d.	Cotang.	d. c.	Tang.		Si	11.	d.	S.	ĺ				
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5,	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.	Ē				
_,	9.568 8555	792	9.600 9289	917	0.399 0711	9.967 9267	126	60	_ _	917	916	915
1	9.568 9347	791	9.601 0206	918	0.398 9794	9.967 9141	126	59 58	I	91.7	91.6	91.
- 1	9.569 O138 9.569 O929	791	9.601 1124 9.601 2041	917	0.398 8876	9.967 9015 9.967 8889	126	5° 57	3	183'4 275'I	183·2 274·8	183°
	9.569 1721	792 790	9.601 2958	917	0.398 7042	9.967 8763	126	56	4	366.8	366.4	366
5	9.569 2511	791	9.601 3875	917	0.398 6125		126	55	5	458.5	458.0	457
7	9.569 3302	79 I	9.601 4792 9.601 5709	917	0.398 5208		126	54	6	550.5	549.6	549
8	9.569 4093 9.569 4883	790	9.601 6625	916	0.398 3375	9.967 8258	126	53 52	8	733.6	732.8	640°
9	9.569 5673	790 790	9.601 7542	917 916	0.398 2458	9.967 8132	126	51	9	825.3		
0	9.569 6463	790	9.601 8458	916	0.398 1542	9.967 8005	127	50				
1	9.569 7253	790	9.601 9374	916	0.398 0626	9.967 7879	126	49		913	912	911
2	9.569 8043	789	9.602 0290	916	0.397 9710	9.967 7753	127	48	1	91.3	91.5	ð1.
13	9.569 8832 9.569 9622	790	9.602 1206 9.602 2122	916	0.397 8794	9.967 7626 9.967 7500	126	47 46	2	182.6	182.4	182
5	9.570 0411	789 789	9.602 3037	915		9.967 7374	126	45	3	273 ⁹	273.6 364.8	273° 364°
6	9.570 1200	789	9.602 3953	915	0.397 6047	9.967 7247	126	44	5	456.2	456.0	455
8	9.570 1989	789	9.602 4868 9.602 5783	915	0.397 5132	9.967 7121 9.967 6994	127	43	6	547.8	547'2	546
19	9.570 2778 9.570 3566	788	9.602 6698	915	0.397 4217	9.967 6868	126	42 41	7 8	639.1	638.4	637.
20	9.570 4355	789 788	9.602 7613	915	0.397 2387	9.967 6741	127	40	9	730.4	729°6	-
21	9.570 5143	700 788	9.602 8528	915	0.397 1472	9.967 6615	126	39	^'	,		
22	9.570 5931	788	9.602 9443	915 914	0.397 0557	9.967 6488	127 126	38				
23	9.570 6719	787	9.603 0357	914		9.967 6362	127	37				
24	9.570 7506 9.570 8294	788	9.603 1271 9.603 2186	915	0.396 8729	9.967 6235 9.967 6108	127	36 35		791	789	787
26	9.570 9081	787 788	9.603 3100	914 914	0.396 6900	9.967 5982	126	34	I	79.1	78.9	78.
27	9.570 9869	787	9.603 4014	914	0.396 5986	9.967 5855	127	33	2	158.2	157.8	157
28	9.571 0656	786	9.603 4927	914		9.967 5728	127	32	3	237'3 316'4	236·7 315·6	236°1
29	9.571 1442	787	9.603 5841	914	0.396 4159	9.967 5601	126	31		395.2	394.2	393'
30	9.571 2229	787	9.603 6755 9.603 7668	913	0.396 3245	9.967 5475	127	30	5 6	474.6	473.4	472
31	9.571 3016 9.571 3802	786	9.603 8581	913	0.396 2332	9.967 5348 9.967 5221	127	29 28	7 8	553.7	552.3	550.0
	9.571 4588	786 786	9.603 9494	913	0.396 0506	9.967 5094	127	27	9	632.8	710.1	1 1
34	9-571 5374	786	9.604 0407	913	0.395 9593	9.967 4967	127	26	71	7 71	,,	,,,,,,
35	9.571 6160	786	9.604 1320 9.604 2233	913		9.967 4840 9.967 4713	127	25	1	786	784	782
36	9.571 6946 9.571 7732	786 785	9.604 3145	912	0.395 6855	9.967 4586	127	24 23	1	78.6	78.4	78.2
8	9.571 8517	785 785	9.604 4058	913 912	0.395 5942	9.967 4459	127	22	2	157.2	156.8	156.
39	9.571 9302	785	9.604 4970	912	0.395 5030		127	21	3	235.8	235.5	234
to	9.572 0087	785	9.604 5882	912	0.395 4118	9.967 4205	127	20	4	314.4	313.6	312.8
11	9.572 0872	785	9.604 6794	912	0.395 3206		127	19	5	393.0	392°0 470°4	391.0
13	9.572 1657 9.572 2442	785	9.604 7706 9.604 8618	912	0.395 2294	9.967 3951 9.967 3824	127	18	7	550.5	548.8	547'4
14	9.572 3226	784 784	9.604 9529	911	0.395 0471	9.967 3697	127	16	8	628.8	627.2	625
100	9.572 4010	784	9.605 0441	912	0.394 9559	9.967 3570	127	15	91	707'4	705.6	703.5
10	9.572 4794	784	9.605 1352	911	0.394 8648	9.967 3442	127	14				
8	9.572 5578 9.572 6362	784	9.605 2263 9.605 3174	911	0.394 7737	9.967 3315 9.967 3188	127	13 12				
19	9.572 7146	784	9.605 4085	911	0.394 5915	9.967 3061	127	11				
50	9.572 7929	783 783	9.605 4996	911	0.394 5004		128	10		1:	26 1	27
, I	9.572 8712	783 783	9.605 5906	910	0.394 4094	9.967 2806	127	9	~	1 1		12.7
52	9.572 9495	783	9.605 6817	911	0.394 3183	9.967 2679	128	8		2 2	5.2 2	25'4
3	9.573 0278 9.573 1061	783	9.605 7727 9.605 8637	910	10.204 2272		127	7				38·1
55	9.573 1844	783	9.605 9547	910		9.967 2424	128	5	l			50·8 53·5
6	9.573 2626	782 782	9.606 0457	910	0.393 9543	9.967 2169	127	4		6 7	5.6	76·2
57	9.573 3408	782	9.606 1367	910	0.393 8633	9.967 2041	127	3		7 8	8.2	38.9
8	9.573 4190 9.573 4972	782	9.606 2277 9.606 3186	909	0.393 7723	9.967 1914	128	2				01.6
-	9.573 5754	782	9.606 4096	910		9.967 1659	127	-		9 11	3'4 11	4'3
-	2.3/3 3/34	بسبب	Cotang.	d. c.	Tang.	Sin.	d.	s.	l			
i	Cos.	d. I										

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s.	Sin.	d.	Tang.	d. c.	Cotan	g.	Co	os.	d.						
0	9.573 5754	782	9.606 4096	909	0.393 5	904	9.967	1659	128	60	1	90	9	908	906
1	9.573 6536	781	9.606 5005	909		995	9.967		128	59	1	90		90.8	90.6
3	9.573 7317 9.573 8099	782	9.606 5914 9.606 6823	909	0.393 4		9.967 9.967		127	58	2	181	- 1	181.6 272.4	181°2
4	9.573 8880	781 781	9.606 7732	909	0.393 2		9.967		128	57 56	3	363	-1	363.5	362.4
5	9.573 9661	780	9.606 8640	908	0.393 1	360	9.967	1020	128	55	5	454		454.0	453.0
6	9.574 0441	781	9,606 9549	908	0.393 0		9.967		128	54	6	545		544.8	543.6
8	9.574 1222 9.574 2003	781	9.607 0457 9.607 1366	909	0.392 9		9.967 9.967		128	53 52	7 8	636 727	٠,	726.4	634·2 724·8
9	9.574 2783	780 780	9.607 2274	908	0.392 7		9.967		128	51	9	818		817.2	815.4
10	9.574 3563	780	9.607 3182	908 908	0.392 6	818	9.967	0381	128	50					
11	9.574 4343	780	9.607 4090	907	0.392 5		9.967	-	128	49		90	5	903	902
12	9.574 5123	779	9.607 4997	908	0.392 5		9.967	=	127	48	I	90		90,3	90.5
13 14	9.574 5902 9.574 6682	780	9.607 5905 9.607 6812	907	0.392 4		9.966 9.966	9998	128	47 46	2	181		180.6	180'4
15	9.574 7461	779	9.607 7720	908 907	0.392 2		9.966		128	45	3	27 I 362	-,	270'9 361'2	270.6 360.8
16	9.574 8240	779 779	9.607 8627	907	0.392 1			9614	129	44	5	452		451.2	451.0
17 18	9.574 9019 9.574 9798	779	9.607 9534 9.608 0441	907	0.392 0.		9.966 9.966		128	43	6	543	.0	541'8	541'2
19	9.575 0577	779	9.608 1348	907	0.391 8		9.966		128	42 41	7 8	633 724	- 1	632°1	631.4 721.6
20	9.575 1356	779	9.608 2254	906			9.966	9101	128	40	9	814		812.7	
21	9.575 2134	778 778	9.608 3161	907 906	0.391 6		9.966	8973	128 128	39	٠,		0,	•	
22	9.575 2912	778	9.608 4067	906	0.391 5		9.966	8845	128	38	l				
23 24	9.575 3690 9.575 4468	778	9.608 4973 9.608 5880	907	0.391 5		9.966 9.966		129	37			_		
25	9.575 5246	778	9.608 6786	906		214	9.966	8460	128	36 35		78	<u>. [</u>	779	778
26	9.575 6023	777 778	9.608 7691	905	0.391 2	309	9.966	8332	128	34	1	78	. I	77'9	77.8
27	9.575 6801	777	9.608 8597	906	0.391 1.		9.966	8204	129	33	2	156		155.8 233.7	155.6
28 29	9.575 7578 9.575 8355	777	9.608 9503 9.609 0408	905	0.391 0.		9.966 9.966	8075 7947	128	32	3	234 312	- 1	311.6	233'4 311'2
30	9.575 9132	777	9.609 1313	905	0.390 8		9.966	7818	129	31 30	5	390	. 5	389.5	389.0
31	9.575 9909	777	9.609 2218	905			9.966	7690	128	29	6	468	. 1	467.4	466.8
32	9.576 0685	776 777	9.609 3124	906 904	0.390 6	876	9.966	7562	128	28	7 8	546 624	-1	545'3 623'2	544 ^{.6}
33	9.576 1462	776	9.609 4028	905	0.390 5		9.966		128	27	9	702		701.1	- 1
34 35	9.576 2238 9.576 3014	776	9.609 4933 9.609 5838	905	0.390 5		9.966 9.966	73°5	129	26 25					
36	9.576 3790	776 776	9.609 6742	904 905	0.390 3	258	9,966	7048	128	24		77	5	775	773
37	9.576 4566	775	9.609 7647	903	0.390 2		9.966	6919	129	23	1	77		77.2	77.3
38 39	9.576 5341 9.576 6117	776	9.609 8551 9.609 9455	904	0.390 1		9.966 9.966		128	22 21	2	155 232		122.0	154.6 231.9
40	9.576 6892	775	9.610 0359	904	0.389 9		9.966		129	20	3 4	310		310.0	309.5
41	9.576 7667	775	9.610 1263	904			9.966		129	19	5	388	0	387.5	386.2
42	9.576 8442	775	9.610 2166	903	0.389 7		9.966		128	18	6	465		465.0	463.8
43	9.576 9217	775 774	9.610 3070	904 903	0.389 6		9.966		129	17	7 8	543 620		542.2 620.0	541'1
44	9.576 9991 9.577 0766	775	9.610 3973 9.610 4876	903	0.389 6		9.966		129	16	9	698		697.5	۱ -
45 46	9.577 1540	774	9.610 5780	904	0.389 4			•	128	15 14		-	•		
47	9.577 2314	774 774	9.610 6683	903	0.389 3	317	9.966	5632	129	13					
48 40	9.577 3088 9.577 3862	774	19.010 /500	902	0.389 2	414	9.966	5503	129	12					
49 50	9.577 3862 9.577 4636	774	9.610 8488	903	0.389 I		9.966		129	11	Ì	ı	128	R I -	20
<u>51</u>	9.577 5409	773	9.610 9391 9.611 0293	902	0.388 9		9.966	5245	129	10	-	<u>-</u> -	12		2.0
:	9.577 6183	774	9.611 1196	903	0.388 8	804	9.966	4987	129	9 8		2	25.		5.8
	9.577 6956	773	9.611 2098	902 902	0.388 7	902	9.966	4858	129 129	7		3	38.	4 3	8.7
1	9.577 7729	773	9.011 3000	902	0.388 7	000	9.966	4729	129	6	l	4	51		1.6
5	9.577 8502 9.577 9275	773	0.611 4804	902	o.388 6 o.388 5	106	9.900	4000	129	5		5	64 [.]	~ !	4 [.] 5 7 [.] 4
	9.578 0047	772	9.611 5705	901	0.388 4	295	9.966	4342	129	3		7	89		0.3
3	9.578 0819	772	9.611 6607	902	0.388 3	393	9.966	4213	129 130	2		8	102	4 10	3.5
3	9.578 1592	772	9.011 7508	001	0.388 2		9.966		129	-		9	115	2 11	6.1
	9.578 2364 Cos. I	d.	9.611 8409	-	0.388 I		THE RESERVE TO THE		-	0					
	CUS.	u.	Cotang.	d. c.	Tang	•	Si		d.	3.					
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1 9378 3156 777 3.511 9311 9312 938 6858 9.966 3858 3858 3859 39.065 3869 3869 3669	s.	Sin.	d.		d. c.	Cota	ng.			d.					
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2 9.578 3.967 771 9.512 2013 901 0.387 7888 9.966 3507 130 57 3 2073 20677 2064 4 9.578 5436 777 771 9.512 2014 900 0.387 7888 9.966 3308 129 55 5 45075 3392 20677 2064 5 9.578 6903 771 9.512 2513 901 0.387 7888 9.966 3308 129 55 5 45075 6393 4 3858 8 9.578 8535 771 9.512 5615 900 0.387 688 9.966 3409 130 52 8 7208 7192 7184 9 9.578 9.967 771 9.512 5615 900 0.387 4885 9.966 2402 130 52 8 7208 7192 7184 9 9.578 9.967 777 9.512 5615 900 0.387 4885 9.966 2402 130 48 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					,					-			-		
4 9.578 \$490 77 9.612 2014 900 9.387 9.869 9.966 3268 137 120 55 5 43 360°4 339°6 359°2 69 9.578 8.935 770 9.612 3711 9.612 3511 900 9.579 0.076 770 9.612 56115 900 9.579 0.076 770 9.612 5715 900 9.579 0.076 770 9.612 5715 900 9.579 9.578 8.935 770 9.612 5715 900 9.579 0.076 770 9.612 5715 900 9.579 0.076 770 9.612 3715 900 9.579 0.076 770 9.612 3715 900 9.579 0.076 770 9.612 3715 900 9.579 0.076 770 9.612 3715 900 9.579 0.076 770 9.612 3715 900 9.579 0.076 770 9.612 3715 900 9.579 0.076 770 9.613 1013 9.019 9.	III I	9.578 3907							- :					1	
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13 9.579 2366	12	9.579 1616						9.966	2402	1 -		ī		89.6	
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17 0.579 5464 770 0.613 3691 3696 386 2889 9.966 1754 130 247 769 9.613 5608 899 0.386 3492 9.966 1494 1294 768 9.613 5308 899 0.386 3492 9.966 1494 1294 768 9.613 3604 888 0.386 0						0.386	7188	9.966	1884						
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19 9.579 7003 769 9.013 3505 896 0.386 3492 9.996 1494 9.996 1305 3207						0.386	5391	9.966			•		627	627.2	625.8
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25 9, 5,80 1613 768 9,614 1796 89 68 9,614 1796 8768 9,614 2693 8768 9,614 2693 8768 9,580 3917 767 9,684 4488 8897 676 9,580 6845 9,580 6821 9,580 6856 9,580 6856 9,580 8752 31 9,580 6856 9,580 8752 31 9,580 875	24	9.580 0845				0.386	0000	9.966	0846			l,	771	1 760	1 768
27 9.580 3149 768 9.614 2693 898 0.385 6409 9.966 0.326 130 33 2 3173 23077 3072 3072 3072 3072 3072 3072 3	25	9.580 1613	768			,	-			-		-			
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So 9,580 5452 767		, , , , , , ,			1	0.385	5512	9.966	0196					1	1
31 9.580 6219 767 7614 6283 897 0.385 3717 9.965 9936 130 228 8 616'8 615'2 614'4 7180 39.580 8519 767 9.614 8977 896 0.385 1923 9.965 9546 130 258 310 9.580 8519 767 9.614 8978 897 0.385 1923 9.965 9546 130 258 310 9.580 8519 767 9.614 8978 897 0.385 1923 9.965 9546 130 258 310 9.965 915 130 258 311 100 13	30				-	0.385	4614	9.966	0066	1	30	6			
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30 9.581 2350 40 9.581 3116 41 9.581 3881 42 9.581 5412 44 9.581 6177 45 9.581 69.42 45 9.615 76			766							, -			•	,	7 7 7
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42 9.581 4647 765	_				1					- 1		5			
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3 3 3 3 3 3 3 3 3 3			765	- 6	895										1 1
47 9.581 8471 765 48 9.581 9236 764 9.616 1514 895 0.383 9381 9.965 7852 131 13 13 12 13 13 13 12 14 15 15 14 9.582 1528 764 764 765 765 9.582 3819 764 764 764 764 764 765 765 9.582 3819 764 764 764 764 764 765 764 764 764 764 764 764 764 764 764 764	45	9.581 7707		0 615 0724	895									-	
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57 9.582 6108 763 763 9.616 9563 893 0.383 0437 9.965 6546 131 3 7 99°3 91°0 158 9.582 6871 763 763 9.617 1350 763 9.582 7634 763 9.617 1350 9.582 8397 763 9.617 2243 893 0.382 8650 9.965 6284 131 131 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	55	9.582 4582	763	9.616 7775	894								5 6	1	
131 2 1040 135	50	9.582 5345	763	9.010 8009	894	0.383	1331	9.905	6546						
59 9.582 7634 763 9.617 1350 893 0.382 8650 9.965 6284 131 0 60 9.582 8397 763 9.617 2243 893 0.382 7757 9.965 6153 131 0 Cos. d. Cotang. d. c. Tang. Sin. d. s.	58 58	9.582 6871		9.617 0456	893										
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			103		093			9.965	6153	131	0				
4 h 30 m		Cos.	d.	Cotang.	d. c.	Tan	g.	Sir	1.	d.	s.				
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s.	Sin.	d.	Tang.	d, c.	Cotang.	Cos.	d.			_		
0	9.582 8397	762	9.617 2243	893	0.382 7757	9.965 6153	130	60	_	893	892	891
1	9.582 9159	762	9.617 3136	893	0.382 6864		131	59	1	89°3		89°1
2	9.582 9921	762	9.617 4029 9.617 4922	893	0.382 5971	9.965 5892	131	58 57	3	267.9	1 2 2	267.3
3	9.583 0683 9.583 1445	762	9.617 5815	893		9.965 5630	131	56	4	357.2	1 20	356.4
5	9.583 2207	762 762	9.617 6708	893 893		9.965 5499	131	55	5	446.2		445.5
6	9.583 2969	761	9.617 7601	892		9.965 5368	131	54	6 7	535 [.] 8	535°2	534 ^{.6}
7 8	9.583 3730	761	9.617 8493 9.617 9385	892	0.382 1507		131	53 52	8	714'4	1	
9	9.583 4491 9.583 5253	762	9.618 0278	893	0.381 9722	9.965 4975	131	51	9			
10	9.583 6014	761 760	9.618 1170	892	0.381 8830	9.965 4844	131	50	l			
11	9.583 6774	761	9.618 2062	892 891	0.381 7938		131	49		889	888	886
12	9.583 7535	761	9.618 2953	892	0.381 7047		131	48	1	88.9	88.8	88.6
13	9.583 8296	760	9.618 3845 9.618 4737	892		9.965 4451 9.965 4319	132	47 46	3	177·8 266·7		177 [.] 2
14 15	9.583 9056 9.583 9816	760	9.618 5628	891		9.965 4188	131	45	4	355.6		354.4
16	9.584 0576	760 760	9.618 6519	891 198		9.965 4057	131	44	5	444.2	444.0	443.0
17	9.584 1336	760	9.618 7410	891	0.381 2590		132	43	6	533'4		531.6
18	9.584 2096	759	9.618 8301 9.618 9192	891	0.381 1699		131	42 41	7 8	622.3	1	620°2 708°8
19	9.584 2855	760	9.619 0083	891	0.380 9917	9.965 3532	131	40	9	•		1 .
20	9.584 3615 9.584 4374	759	9.619 0974	891	0.380 9026		132	39	ĺ .			
2 I 22	9.504 4374	759	9.619 1864	890	0.380 8136		131	3 8				
23	9.584 5892	759 759	9.619 2755	891 890	0.380 7245		132	37	l			
24	9.584 6651	759	9.619 3645	890	0.380 6355	9.965 3006 9.965 2875	131	36	Ш	761	759	758
25 26	9.584 7410	758	9.619 4535 9.619 5425	890	0.380 3405		132	35 34	1	76.1	75'9	75.8
27	9.584 8168 9.584 8926	758	9.619 6315	890 890	0.380 3685		131	33	2	152.5		
28	9.584 9685	759 758	9.619 7205	889	0.380 2795		132	32	3	228·3		303.5
29	9.585 0443	758	9.619 8094	890	0.380 1906		131	31	5	380.2		
30	9.585 1201	757	9.619 8984	889	0.380 1016	9.965 2217	132	30	6	456.6		
31	9.585 1958	758	9.619 9873	889	0.380 0127 0.379 9238	9.965 2085 9.965 1953	132	29 28	7	532.7 608.8		
32 33	9.585 2716 9.585 3473	757	9.620 0762 9.620 1652	890	0.379 8348	9.965 1822	131	27	9			
34	9.585 4230	757 758	9.620 2540	888 889	0.379 7460	9.965 1690	132	26	–			•
	9.585 4988	757	9.620 3429	889	0.379 6571	9.965 1558	132	25	l	757	756	754
36	9.585 5745	756	9.620 4318 9.620 5207	889	0.379 5682 0.379 4793		131	24 23	1	75'7		75'4
37 38	9.585 6501 9.585 7258	757	9.620 6095	888 888	0.379 3905		132	22	2	151'4	151.5	120.8
39	9.585 8014	756	9.620 6983	889	0.379 3017	9.965 1031	132	21	3	227'1		301.6
40	9.585 8771	757	9.620 7872	888	0.379 2128	9.965 0899		20	4 5	302·8		
41	9.585 9527	756 756	9.620 8760	888	0.379 1240	9.965 0767	132	19	6	454.5		
42	9.586 0283	756	9.620 9648	888	0.379 0352	9.965 0635 9.965 0503	132	18 17	7	529.9	529.2	527.8
43	9.586 1039 9.586 1795	756	9.621 0536	887	0.378 8577		132	16	8		680.4	
44 45	9.586 2550	755	9.621 2311	888 887	0.378 7689	9.965 0239	132	15	9	0013	1 000 4	1 0/00
46	9.586 3305	755 756	9.621 3198	888	0.378 6802	9.965 0107	132	14				
47	9.586 4061	755	9.621 4080	887	0.378 5914	9.964 9975 9.964 9843	132	12				
	9.586 4816	755	9.621 4973 9.621 5860	887	0.378 4140	9.964 9711	132					
<u>49</u> 50	9.586 5571 9.586 6325	754	9.621 6747	887	0.378 3253		132	10		1	31	32
51	9.586 7080	755	9.621 7634	887	0.378 2366	9.964 9447	132	9	•			3.2
■2*	9.586 7835	755	9.621 8520	886 887	0.378 1480	9.964 9314	133	8			1	6.4
	9.586 8589	754 754	9.621 9407	886	0.378 0593	9.964 9182	132	7 6	ĺ			39·6 32·8
	9.586 9343	754	9.622 0293	886	0.377 9707 0.377_8821	9.904 9050	132	5				6'0
į	9.587 0097 9.587 0851	754	9.622 1179 9.622 2066	887	0.377 7934	9.964 8785	133	4		6 7	8.6	79.2
	9.587 1605	754	9.622 2952	886 886	0.377 7048	9.964 8653	132	3				2'4
;	9.587 2358	753 754	9.622 3838	885	0.377 6162	9.964 8521	132	2 1				05.6 18.8
(9.587 3112	753	9.622 4723	886	0.377 5277	9.964 8388	132	- 1		9 1 1 1	1714	
	9.587 3865		9.622 5609			9.964 8256 Sin.	d.	s.	ı			
1	Cos.	d.		d. c.	Tang.	oin.	u.	ٿ	l			
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				1'	31	m						1			
s.	Sin.	d.	Tai	ng.	d. c.	Cota	ang.	Co)S.	d.					
0	9.587 3865	753	9.622		886	0.377	4391	9.964	8256	133	60	1	885	884	883
1	9.587 4618	753	9.622		885	0.377	3505	9.964	-	132	59	1	88.		<u> </u>
2	9.587 5371 9.587 6124	753	9.622 9.622		885	0.377	2620 1735	9.964 9.964		133	58	2	177		1 2
3	9.587 6876	752	9.622		885	0.377	0850	9.964		132	57 56	3	265°	-	٠ ا ـ
5	9.587 7629	753 752	9.623		885 885			9.964		133	55	5	442		
6	9.587 8381	752	9.623		885			9.964		132	54	6	531	530	1
7 8	9.587 9133 9.587 9885	752	9.623		885			9.964		133	53	7	619.		1 -
9	9.588 0637	752	9.623 9.623		884		7310 6426	9.964 9.964		132	52 51	8	796		
	9.588 1389	752	9.623		885	0.376	5541	9.964		133	50	וצ	790	193	·6 794
	9.588 2140	751	9.623		884	0.376		9.964		133	49	١,	882	881	879
12	9.588 2892	752 751	9.623		884 884	0.376		9.964		132	48	1	88:		
13	9.588 3643	751	9.623	-	884		2889			133	47	2	176		
14	9.588 4394 9.588 5145	751	9.623		884		2005	9.964		333	46	3	264	: 1	
15	9.588 5896	751	9.623 9.623		884	0.376		9.964 9.964		133	45	4	352		4 351
17	9.588 6646	750	9.624		883		9354			133	44 43	5	441		21
	9.588 7397	751 750	9.624	1529	883 884	0.375	8471	9.964	5868	132	42	6	529	1	
19	9.588 8147	750	9.624		883	0.375	7587	9.964		133	<u>4 I</u>	8	705	704	
20	9.588 8897	750	9.624		883	0.375	6704	9.964	5602	133	40	9	793		1
21	9.588 9647	750	9.024		883	0.375	5821	9.964		133	39	l			
22	9.589 0397 9.589 1147	750	9.624	•	883	0.375	4938	9.964		133	38				
24	9.589 1897	750			882	0.375	4055 3173	9.964 9.964		134	37 36				
25	9.589 2646	749	9.624		883 882			9.964		133	35	_ _	753	75	751
26	9.589 3395	749 749	9.624		882	0.375	1408	9.964	4803	133	34	I	75		
27	9.589 4144	749	9.624		882		0526			133	33	2	150	1 -	:I •
28	9.589 4893 9.589 5642	749	9.625 9.625		883	0.374		9.964		133	32	3	301		
30	9.589 6391	749			881	0.374		9.964 9.964		134	31	5	376		
31	9.589 7139	748	9.625		882	0.374	6998			133	30	6	451	451	2 450
32	9.589 7888	749		3884	882			9.964 9.964	4137	133	29 28	7	527		
33	9.589 8636	748 748			881 882					133	27	8	602		-1 -
34	9.589 9384	748	9.025		881	0.374	4353	9.964	3737	134 133	26	ול	9//	,, 0,0	0, 0,75
35 36	9,590 0132 9,590 0880	748	9.625	-	188			9.964		134	25	1	749	747	746
37	9.590 1627	747	9.625 9.625		188		2591 1710	9. 9 64 9. 9 64		133	24 23	1	749	-	_
38	9.590 2375	748 747	9.625		881		0829	9.964		133	22	2	149		
39	9.590 3122	747	9.626	0052	880	0.373	9948	9.964		134	2 I	3	224	224	1 223
40	9.590 3869	747	9.626	0932	881	0.373	9068	9.964	2937	133	20	4	299		
41	9.590 4616	747	9.626		880	0.373	8187	9.964	2803	134 133	19	5	374	1 7 7 7	
42	9.590 5363 9.590 6110	747	9.626		881		7307	9.964		134	18	7	449°		
43	9.590 6856	746	9.626 9.626		880		6426		-	134	17 16	8	599		
45	9.590 7603	747	0.626	5334	880	0.373	5546 4666	9.964 9.964	2269	133	15	9	674		3 671
46	9.590 8349	746 746	9.626	6214	880 879	0.373	3786	9.964	2135	134	14	l			
47	9.590 9095	- 46	19.020	7093	880	0.373	2907	9.964	200 I	134 133	13	l			
48 49	9.590 9841 9.591 0587	746	9.626 9.626	7973	880			9.964		134	12	l			
_	9.591 1332	745			879		1147	9.964		134	11	1	1		
50 51	9.591 2078	, 4-	9.626		879		0268	9.964		134	10	-		33	134
52	9.591 2823	745		1100	880			9.964 9.964		134	8			3.3	13'4 26'8
53	9.591 3568	745	0 627	2370	879			9.964		133	7		- 1	39.9	40.3
54	9.591 4313	745 745	9.627	3248	878 879			9.964		134	6			3.5	53.6
	9.591 5058	745	9.627	4127	879	0.372	5873	9.964	0931	134 134	5		5	56.2	67.0
	9.591 5803 9.591 6547	744	9.02/	5006	878			9.964		134	4	1		79.8	80'4
	9.591 7292	745	9.627 9.627		879			9.964 9.964		134	3			93.1	93 [.] 8
	9.591 8036	744	9.627		878			9.964		1 34	1		- 1		120.6
	9.591 8780	744	9.627		878			9.964		I 34	-		J 1 - 1	,, ,	
1	Cos.	d.	Cota		d. c.	Tar		Sin		d.	s.				
_		<u> </u>		4			~				_				

			1'	32	1H.					-			
5,	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.						
0	9.591 8780		9.627 8519	878	0.372 1481	9.964 0261		60	1	877	8	75 1	874
1	9.591 9524	744	9.627 9397	878	0.372 0603	9.964 0127	134	59	1	87		7.5	87.4
2	9.592 0268	744	9.628 0275	878	0.371 9725	9.963 9993	134	58	2	175		15.0	174.8
3	9.592 1012	743	9.628 1153	878		9.963 9859	134 135	57	3	2 63		2.2	262.2
4	9.592 1755	743	9.628 2031	877		9.963 9724	134	56	4	350		0.0	349.6
5	9.592 2498	744	9.628 2908 9.628 3786	878		9.963 9590 9.963 9456	134	55	5	438 526		37:5	437.0
7	9.592 3985	743	9.628 4663	877	-	9.963 9322	134	54 53	7	613		2.2	524 [.] 4
8	9.592 4728	743	9.628 5540	877 877	0.371 4460	9.963 9187	135	52	8	701		0.0	699.2
9	9.592 5470	742	9.628 6417	877	0.371 3583	9.963 9053	134	51	9	789	3 78	37.2	786.6
10	9.592 6213	743	9.628 7294	877	0.371 2706	9.963 8919	134	50					
11	9.592 6956	743	9.628 8171	877	0.371 1829	9.963 8785	134	49	1	873	8	72	871
12	9.592 7698	742	9.628 9048	876	0.371 0952		135	48	1	87		37.2	87.1
13	9.592 8440	742	9.628 9924	877	0.371 0076		134 135	47	2	174		14.4	174.5
15	9.592 9182 9.592 9924	742	9.629 0801	876	0.370 9199		134	46	3	261		1.6	261.3
16	9.593 0666	742	9.629 2553	876		9.963 8112	135	45 44	4	349		18.8	348.4
17	9.593 1407	741	9.629 3429	876 876		9.963 7978	134	43	5	436 523		36.0 3.2	435.2 522.6
18	9.593 2149	742 741	9.629 4305	876	0.370 5695	9.963 7843	135	42	7	611		0.4	609.7
19	9.593 2890	741	9.629 5181	876	0.370 4819		134	41	8	698		7.6	696.8
20	9.593 3631	741	9.629 6057	875	0.370 3943		135	40	9	785		34.8	783.9
21	9.593 4372	741	9.629 6932	876	0.370 3068	9.963 7440	134	39	i				
22	9.593 5113	740	9.629 7808	875		9.963 7305	135	38					
23	9.593 5853	741	9.629 8683	875		9.963 7170	134	37					
24	9.593 6594 9.593 7334	740	9.629 9558 9.630 0434	876		9.963 7036 9.963 6901	135	36	۱	744	1 7	43	741
26	9.593 8075	741	9.630 1308	874	0.369 8692	9.963 6766	135	35 34	1	74	4	74'3	74'1
27	9.593 8815	740	9.630 2183	875 875	0.369 7817	9.963 6631	135	33	2	148		†8.6	148.3
28	9-593 9555	739	9.630 3058	875	0.369 6942		135	32	3	223		22.0	222.3
29	9.594 0294	740	9.630 3933	874	0.369 6067		135	31	4	297 372		71.2	296·4
30	9.594 1034	739	9.630 4807	875	0.369 5193		135	30	6	446		15.8	444.6
31	9.594 1773	740	9.630 5682	874	0.369 4318	9.963 6092	135	29	7	520	8 52	50.1	518.7
33	9.594 2513 9.594 3252	739	9.630 6556	874	0.369 3444	9.963 5957 9.963 5822	135	28	8	595	-1 -1	4 4	592.8
34	9.594 3991	739	9.630 8304	874		9.963 5687	135	27 26	91	669	.6 66	08.4	666.9
35	9.594 4730	739	9.630 9178	874 874		9.963 5552	135	25	١.				
36	9.594 5469	739 738	9.631 0052	873	0.368 9948		135	24	_	739	7	37	736
37	9.594 6207	739	9.631 0925	874		9.963 5282	135	23	1	73		73.7	73.6
38	9.594 6946	738	9.631 1799 9.631 2672	873	0.368 8201	9.963 5147 9.963 5012	135	22	2	147 221		17'4 21'1	147.2
39	9.594 8422	738		873	0.368 6455		135	21	3	295	7.1	4.8	294'4
40	9.594 9160	738	9.631 3545	874			135	20		369		8.5	368.0
41	9.594 9898	738	9.631 4419 9.631 5292	873	0.368 5581 0.368 4708		136	19 18	5	443	4 44	12.5	441.6
43	9.595 0636	738	9.631 6164	872	0.368 3836		135	17	7	517		15.9	515.5
44	9.595 1373	737	9.631 7037	873	0.368 2963	9.963 4336	135	16	8	591 66r		39.6	588.8
45	9.595 2111	738 737	9.631 7910	873 872	0.368 2090	9.963 4201	135	15	9	665	11 00	3.3	662.4
	9.595 2848	737	9.631 8782	873	0.368 1218	9.963 4065	135	14					
47 48	9.595 3585 9.595 4322	737	9.631 9655 9.632 0527	872	0.308 0345	9.963 3930 9.963 3795	135	13					
	9.595 5059	737	9.632 1399	872	0.367 9473	9.963 3795 9.963 3659	136	I2 II	ĺ				
50	9.595 5795	736	9.632 2271	872	0.367 7729		135	10		ı	135	r	36
51	9.595 6532	737	9.632 3143	872	0.367 6857		136	9	[-	1	13.2		3.6
"52	9.595 7268	736	9.632 4015	872	0.367 5985	9.963 3253	135	8	ĺ	2	27.0		7.5
53	9.595 8004	736 736	9.632 4887	872 872	0.367 5113	9.963 3117	136	7		3	40.2	4	0.8
	9.595 8740	736	9.632 5759	871	0.367 4241	9.963 2982	135	6		4	54.0		4.4
	9.595 9476 9.596 0212	736	9.632 6630	871		9.963 2846	135	5	ĺ	5	67.5		7.6 8.0
	9.596 0212	736	9.632 7501 9.632 8373	872	0.307 2499	9.963 2711	136	4			81.0 94.2		1.6 2.5
	9.596 1683	735	9.632 9244	871	0.367 0756	9.963 2575 9.963 2440	135	3 2		7 1	08.0	10	8.8
	9.596 2419	736	9.633 0115	871	0 266 088	9.963 2304	136	ī			21.2		2'4
	9.596 3154	735	9.633 0985	870	0.366 9015	9.963 2168	136	-		- '	,		-
	Cos.	d.	Cotang.	d. c.		Sin.	d.	s.					
_				27		·		-					
			4	~1				- 1	8				

S. O I 2	Sin. 9.596 3154	d.	Tang.	4 0	0									
-1	9.596 3154			d. c.	Cotang.	Co	os.	d.	-	-				
1		725	9.633 0985	871	0.366 9015	9.963	2168	135	60	_	870		69	868
2	9.596 3889	735 735	9.633 1856	871	0.366 8144	9.963		136	59	I	87		86.9	86.8
	9.596 4624	734	9.633 2727	870	0.366 7273			136	58	2	261		73.8	260'4
3		735	9.633 3597	871	0.366 6403 0.366 5532			136	57	3	348		47.6	347
4	9.596 6093	735	9.633 4468 9.633 5338	870	0.366 4662			135	55	5	435	_	34'5	434
5	9.596 6828	734	9.633 6208	870	0.366 3792			136	54	6	522		21'4	520
7	9.596 8296	734	9.633 7078	870 870	0.366 2922	9.963	1218	136	53	7	609	1	08.3	607
8	9.596 9030	734 734	9.633 7948	870	0.366 2052			136	52	8	696		95'2	781
9	9.596 9764	734	9.633 8818	869	0.366 1182			136	51	9	783	0 7	82.1	701
10	9.597 0498	7 3 3	9.633 9687	870	0.366 0313	9.963		136	50		06-	1 0	66	06.
II	9.597 1231	734	9.634 0557	869	0.365 9443	9.963		136	49	_	867	-	66	865
12	9.597 1965	733	9.634 1426	87o	0.365 8574			136	48	1	86	.	86.6	86.
	9.597 2698	733	9.634 2296 9.634 3165	869	0.365 7704 0.365 6835			136	47	2	173°		73°2 59°8	259
	9.597 3431	733	9.634 4034	869	0.365 5966	9.963	0130	136	45	3 4	346		46.4	3460
15 16	9.597 4164	733	9.634 4903	869	0.365 5097	9.962	9994	136	44	5	433		33.0	432'5
17	9.597 5629	732	9.634 5772	869 868	0.365 4228	9.962	9858	137	43	6	520	2 5	19.6	519'0
1	9.597 6362	733 732	9.634 6640	869	0.365 3360		• •	136	42	7	606		06.5	605
19	9.597 7094	733	9.634 7509	869	0.365 2491	9.962		136	41	8	693		92.8	6920
20	9.597 7827	732	9.634 8378	868	0.365 1622	9.962		136	40	9	780	31 7	79'4	778
21	9.597 8559	732	9.634 9246	868	0.365 0754	9.962		136	39					
22	1 / / / / /	731	9.635 0114	868	0.364 9886			137	38					
-	1	732	9.635 0982	868	0.364 9018 0.364 8150			136	37 36	١.,				
24		732	9.635 1850 9.635 2718	868	0.364 7282			136	35	_ .	735	_	33	732
25 26	9.598 1486	731	9.635 3586	868	0.364 6414			137	34	1	73	- 1	73'3	73
27	9.598 2948	731	9.635 4453	867 868	0.364 5547	9.962	8495	136	33	2	147	1	46.6	219
28	9.598 3679	731	9.635 5321	867	0.364 4679	9.962	8358	136	32	3	294	9	93.5 93.6	292
29	9.598 4410	731	9.635 6188	868	0.364 3812			137	31	5	367	_	66.2	3660
30	9.598 5141	731	9.635 7056	867	0.364 2944	9.962	8085	136	30	6	441		39.8	439
31	9.598 5872	731 730	9.635 7923	867	0.364 2077	9.962		137	29	7	514		13.1	512'4
32	9.598 6602	730	9.635 8790	867	0.364 1210	9.962	7812	136	28	8	588	1	86.4	585
	9.598 7332	731	9.635 9657	867	0.364 0343 0.363 9476	0.062	7520	137	27 26	9	661.	51 0	59'7	658.8
34		730	9.636 0524 9.636 1390	866	0.363 8610			137	25	١.				0
35	9.598 8793 9.598 9523	730	9.636 2257	867	0.363 7743			136	24	_	731	_ 7	29	728
37	9.599 9323	729	9.636 3123	866 867	0.363 6877		7129	137 137	23	1	73		72.9	72'
38		730	9.636 3990	866	0.363 6010			136	22	2	146		45.8	145
39	9.599 1711	729	9.636 4856	866	0.363 5144			137	21	3	219	-	91.6	218'2
40	9.599 2441	730	9.636 5722	866	0.363 4278	9.962		137	20	4	365		64.5	364
41	9.599 3170	729	9.636 6588	866	0.363 3412	9.962	6582	137	19	5	438		37.4	436.8
42		729 729	9.636 7454	865	0.363 2546	9.962	6445	137	18	7	511.	7 5	10.3	509
43	9.599 4628	729	9.636 8319	866	0.363 1681 0.363 0815			136	17 16	8	584		83.5	582
44	9.599 5357	728	9.636 9185	866	0.362 9949	9.962	6035	137	15	9	657	9 6	56.1	655"
45	9.599 6085 9.599 6814	729	9.637 0051 9.637 0916	865	604	1 ~ ~ 6 ~	rRas	137	14					
47		728	9.637 1781	86.	0.362 8219	9.962	5761	137 137	13					
	9.599 8270	728 728	9.637 2646	865 865	10.304 /334	19.902	34	137	12					
49	9.599 8998	728	9.637 3511	865	0.302 0409			137	11		1	× 26	1 -	27
50		728	9.637 4376	865	0.362 5624	9.962		137	10	-		136	-	37_
51	9.600 0454		9.637 5241	865	0.362 4759	9.962	5213	137	9		1	13.6		3.7
52	9.600 1181	727 728	9.637 6106	864		9.962	5076	138	8		15	27°2 40°8		7'4
53	9.600 1909	727	9.637 6970	865	0.362 3030 0.362 2165	9.902	4930	137	7			54.4		4.8
54	9.600 2636	727	9.637 7835	864	0.562 222	9.902	4664	137	5			68.0		8.2
55	9.600 3363	727	9.637 8699 9.637 9563	864	0 262 0427	9.962	4527	137	4	V., 3	6	81.6		2'2
	9.600 4090 9.600 4817	727	9.638 0427	864	0 261 0573			137	3		7	95'2		5.9
	9.600 5544	727	9.638 1291	864	0.361 8709	9.962	4252	137	2	10		8.80	1	9.6
50	9.600 6270	726	9.638 2155	864 864	0.361 7845	9.962	4115	137	1		9 1	22'4	12	3.3
6 6	9.600 6997	727	9.638 3019	004	0.361 6981	9.962	3978	37	0					
	Cos.	d.	Cotang.	d. c.	Tang.	Si	n.	d,	s.					
_			4	26										

			1/	34	m										
s.	Sin.	d.	Tang.	d. c.	Cota	ng.	Co	5.	d.						
0	9.600 6997	726	9.638 3019	864		6981	9.962	3978	137	60		86		863	862
I	9.600 7723	726	9.638 3883	863		6117	9.962		138	59	I		5.4	86.3	
2	9.600 8449	726	9.638 4746 9.638 5609	863	0.361				137	58 57	3	172 259	- 1	172 6 258 9	100
3	9.600 9175 9.600 9901	726	9.638 5609 9.638 6473	864	0.361				138	56	4	345	- 1	345	1
5	9.601 0627	726 725	9.638 7336	863 863	0.361				137 138	55	5	432		431'5	
6	9.601 1352	726	9.638 8199	863	0.361				137	54	6	518	1	517'8	
7	9.601 2078	725	9.638 9062	863	0.361				138	53 52	7 8	604		690'4	4 44
9	9.601 2803 9.601 3528	725	9.638 9925 9.639 0787	862	0.360			2741	137	51	9	777		776.7	
7	9.601 4253	725	9.639 1650	863	0.360		9.962		138	50	-			- 3	
11	9. 8	725	9.639 2512	862		7488	9.962		137	49	П	86	1	859	858
12	9.60. 03	725	9.639 3375	863 862	0.360	6625	9.962	2328	138 138	48	1	86	.1	85'9	
13		724 725	9.639 4237	862	0.360				137	47	2	172	. 1	171'8	
14	9.601 7152	724	9.639 5099	862	0.360				138	46 45	3	258	-1	257'7	257
15 16	9.601 7876 9.601 8600	724	9.639 5961 9.639 6823	862	0.360				138	44	4 5	344 430		343°6	
17	9.601 9324	724	9.639 7685	862 861	0.360				138 137	43	6	516		515'4	
18	9.602 0048	724 724	9.639 8546	862	0.360				138	42	7	602		601,3	
19	9.602 0772	723	9.639 9408	861	0.360		9.962		138	41	8	688		687.2	100000
20	9.602 1495	723	9.640 0269	168	0.359		9.962		138	40	9	774	191	773'1	772
21	9.602 2218	724	9.640 1130	862	0.359	8008	9.962 9.962		138	39 38					
22 23	9.602 2942 9.602 3665	723	9.640 1992 9.640 2853	861	0.359		9.962		138	37					
24	9.602 4388	723	9.640 3714	861 860	0.359	6286	9.962	0674	138 138	36	١,	72	6 1	724	722
25	9.602 5111	723 722	9.640 4574	861	0.359	5426	9.962	0536	138	35	1		2.6	72.4	_
26	9.602 5833	723	9.640 5435	861	0.359		9.962 9.962		138	34	2	145	- 1	144.8	
27 28	9.602 6556 9.602 7278	722	9.640 6296 9.640 7156	860	0.359		9.962		138	33 32	3	217		217'2	216
29	9.602 7278	723	9.640 8017	861	0.359		9.961	_	138	31	4	290		289'6	1 7 7 6
30	9.602 8723	722	9.640 8877	860		1123	9.961	9846	138	30	5	363 435		362°C	
31	9.602 9445	722	9.640 9737	860 860		0263	9.961		138	29	7	508		506.8	
32		721	9.641 0597	860	0.358	9403	9.961		139 138	28	8	580		579'2	577
33	9.603 0888	722 722	9.641 1457	860	0.358	8543	9.961		138	27 26	9	653	3.4	651.6	649
34	9.603 1610	721	9.641 2317 9.641 3176	859	0.358 0.358				138	25	١.	•			
35 36	9.603 2331 9.603 3052	721	9.641 4036	860	0.358	5964	9.961	9016	139 138	24		72	<u>.</u>	719	718
37	9.603 3773	721 721	9.641 4895	859 860	0.358	5105	9.961	8878	138	23	I	•	3.1	71'9	
38	9.603 4494	721	9.641 5755	859		4245	9.961		139	22 21	3	216		143'8 215'7	
<u>39</u>	9.603 5215	721	9.641 6614	859		3386	9.961 9.961		138	20	4	288		287	287
40	9.603 5936	720	9.641 7473	859	o.358 o.358		9.961		138	19	5	360	.2	359'5	359
41	9.603 6656 9.603 7377	721	9.641 8332 9.641 9191	859	0.358	0800	9.961		139	18	6	432		431'4	
42 43		720	9.642 0050	859	0.357	9950	9.961		138	17	7 8	502 576		503'3	
44		720	9.642 0908	858 859	0.357	9092	9.961	7909	139 138	16	9	648	3.9	647'1	
45	9.603 9537	720	9.642 1767	858	0.357			7771	139	14	ľ			(4	
	9.604 0257	720	9.642 2625	858	0.357	6517	0.061	7403	139	13					
47 48	9.604 0977	719	9.642 3483 9.642 4342	859	0.357	5658	9.961	7355	138	12					
4 9	V 1 - V 1 - V 1 - V 1 - V 1	720	9.642 5200	858	0.357	4800	9.961	7216	139	11					
50		719	9.642 6058	858	0.357	3942	9.961		138	10		_	13		139
51		719	9.642 6915	857 858	0.357	3085	9.961	6939	139	9		1	13	.8	13.9
!	9.604 4573	719	9.642 7773	858	0.357	2227	9.961	6660	139	8		3	41		27.8
:	9.604 5292	719	9.642 8631	857	0.357	0512	0.061	6522	139	7		4	55		55.6
	9.604 6011	718	9.642 9488 9.643 0346	858	0.356	9654	9.961	6384	138	5		5	69	0	69'5
	9.604 7448	719	9.643 1203	857	0.356	8797	9.961	6245	139	4		6	82		83'4
	9.604 8166	718	9.643 2060	857 857	0.356	7940	9.961	6106	139	3		7 8	96		97'3
	9.604 8884	718	9.643 2917	857	0.356	7083	9.961	5907	139	2 I			124		25'1
: :	9.604 9602	718	9.643 3774	857					139	-0		21		Y	
•	9.605 0320		9.643 4631		0.356 Tan		9.901 Si		d.	-					
	Cos.	d.	Cotang.	d. c.	Lan	ň· .	- 01		м.	~					

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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos		d.					
<u> </u>	9.605 0320	717	9.643 4631	856	0.356 5369	9.961 5	5689	139	60		857	856	855
1	9.605 1037	718	9.643 5487	857.	0.356 4513		5550	139	59	I	85.7	85.6	85
	9.605 1755	717	9.643 6344	856	0.356 3656	9.961 5		139	58	2	171.4	171.5	171
3	9.605 2472	718	9.643 7200	857	0.356 2800	,		139	57		257'1	256.8	256
4	9.605 3190	717	9.643 8057	856	0.356 1943	9.961		139	56		342.8	342.4	342
5	9.605 3907	717	9.643 8913 9.643 9769	856	0.356 0231	9.961 4		139	55		428.5	428.0	427
7	9.605 5341	717	9.644 0625	856		9.961 4	1	139	54 53	7	514.2 599.9	513.6 599.2	513
8	9.605 6057	716	9.644 1481	856	0.355 8519	9.961 4		140	52	1 1 1	685.6		684
9	9.605 6774	717	9.644 2337	856	0.355 7663	9.961 4		139	51		771.3		
0	9.605 7490	716	9.644 3192	855	0.355 6808		1298	139	50	-	,		
7	9.605 8207	717	9.644 4048	856	0.355 5952		1159	139	49	1	854	853	85
2	9.605 8923	716	9.644 4903	855	0.355 5097	9.961 4	1	139	48	- -	85.4	85.3	85
3	9.605 9639	716 716	9.644 5759	856 855	0.355 4241	9.961		140	47		170.8	170.6	
4	9.606 0355	715	9.644 6614	855	0.355 3386		3741	139 140	46		256.5	255.9	259
5	9.606 1070	716	9.644 7469	855	0.355 2531			139	45		341.6	341.5	340
6	9.606 1786	716	9.644 8324	855			3462	139	44	5	427.0	426.5	425
7	9.606 2502	715	9.644 9179	855	0.355 0821		3323	140	43		512.4	511.8	510
9	9.606 3217 9.606 3932	715	9.645 0034 9.645 0888	854	0.354 9966 0.354 9112		3183 3044	139	42		597.8	597.1	595
9	9.606 4647	715		855				140	41		683.2		680
-		715	9.645 1743	854	0.354 8257	<u> </u>	2904	139	40	91	768.6	767.7	765
1	9.606 5362 9.606 6077	715	9.645 2597	854	0.354 7403		2765	140	39				
3	9.606 6791	714	9.645 3451 9.645 4306	855	0.354 6549 0.354 5694			139	38				
4	9.606 7506	715	9.645 5160	854	0.354 4840	0.061	2346	140	37 36	١.			
:5	9.606 8220	714	9.645 6014	854	0.354 3986			140	35		717	715	71
6	9.606 8934	714	9.645 6868	854	0.354 3132	9.961 2		139	34	1	71.7	71.2	71
27	9.606 9648	714 714	9.645 7721	853 854	0.354 2279	9.961 1	1927	140	33		143'4	143.0	142
8	9.607 0362	714	9.645 8575	853	0.354 1425	9.961 1		140	32	- 1	215.1	214.5	214
9	9.607 1076	713	9.645 9428	854	0.354 0572	9.961 1	647	139	31		286.8	286.0	285
0	9.607 1789	714	9.646 0282	853	0.353 9718	9.961 1	1508		30		358·5 430·2	357°5 429°0	357
31	9.607 2503		9.646 1135	853	0.353 8865	9.961 1	368	140	29		501.0	500.2	499
2	9.607 3216	713 713	9.646 1988	853	0.353 8012		1228	140 140	28		573.6	572.0	571
3	9.607 3929	714	9.646 2841	853	0.353 7159	9.961 1	1088	140	27		645.3		
34	9.607 4643	712	9.646 3694	853	0.353 6306			140	26				
35 36	9.607 5355 9.607 6068	713	9.646 4547	853		9.961		140	25	1	712	711	70
37	9.607 6781	713	9.646 5400 9.646 6252	852	0.353 4600	9.961 c		139	24	-	71.5	71.1	70
8	9.607 7493	712	9.646 7105	853	0.353 3748	9.961		140	23 22		142.4	142.5	141
39	9.607 8206	713	9.646 7957	852	0.353 2043	9.961		141	21		213.6	213.3	212
ļo	9.607 8918	712	9.646 8810	853	0.353 1190		8010	140	20		284.8	284.4	283
1.1	9.607 9630	712	9.646 9662	852	0.353 0338	9.960		140	19	5	356.0	355.2	354
2	9.608 0342	712	9.647 0514	852	0.352 9486	0.060	828	140	18		427.2	426.6	425
3	9.608 1054	712	9.647 1366	852	0.352 8634			140	17		498.4	497.7	496
4	9.608 1765	711 712	9.647 2217	851 852	0.352 7783	9.960 9	548	140	16		569.6 640.8	568.8	567
· 5	9.608 2477	711	9.647 3069	852	0.352 6931	9.960 9	408	140 140	15	91	640.8	639.9	638
	9.608 3188	712	9.647 3921	851	0.352 6079	9.960 9	268	141	14				
	9.608 3900	711	9.647 4772	852	0.352 5228	9.960 9	127	140	13				
8	9.608 4611	711	9.647 5624	851	0.352 4376	19.960 8	967	140	I 2	İ			
9	9.608 5322	710	9.047 04/5	851	0.352 3525			141	11				
0	9.608 6032	711	9.647 7326	851	0.352 2674			140	10				40
1	9.608 6743	711	9.647 8177	851	0.352 1823	9.960 8	5566	140	9 8				4.0
2	9.608 7454 9.608 8164	710	9.647 9028	851	0.352 0972	19.960 8	426	141					8.0
3	9.608 8874	710	9.647 9879 9.648 0730	851	0.352 0121	9.900 8	205	140	7				2.0
5	9.608 9584	710	0.648 1580	850	0.351 9270 0.351 8420			141	6				o.o 9.0
6	9.609 0294	710	0648 0401	851	0.351 7569	0.060	7864	140	5				4.0
7	9.609 1004	710	0 648 2281	850	0.351 6719			141	3	3			8.0
8	9.609 1714	710	0.648 4121	850	0 251 5860			140	2	٤	3 11		2.0
9	9.609 2424	710	9.648 4981	850	0.351 5019			141	1		12		6.0
50	9.609 3133	709	9.648 5831	850	0.351 4169			140	0	Ι΄		-	
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Т	0 9.609 31	33	10.648 583		0.351		19.960		d.	160		8.0	1 0.0	
1	1 9.609 38	42 70	0.648 668	850	0.251		9,960	-	141		-	849	848	847
1	2 9.609 45	- 170	9.648 753	1 850	0 254	700	9.960	The state of the	141	59 58	2	84.9 169.8	84.8 169.6	169.4
ш	3 9.009 52	70	9.048 838	840	0.351	1619	9.960	6880	140	57	3	254'7	254'4	254'1
1	4 9.609 59 5 9.609 66	8 70		850			9.960		141	56	4	339.6		338.8
	6 9.609 73	87 70	1 5 6 to 000	0 049		9920	9.960	100	141	55	5	424'5	424'0	423'5
	7 9.609 80	70	O SEA THE	8 049			9.960		140	54 53	7	599'4	508.8	508.5
	8 9,609 88	3 700	9.049 202	8 850			9.960	6176	141	52	8	679.5		592'9
	9.609 95	70	9.049 347	840	0.350	6523	9.960	6035	141	51	9	764.1	Carlotte Sta	
4	No. of Concession, Name of Street, or other Persons, Name of Street, or ot	- 702	9.649 432	848	0.350	5674	9.960	5894	141	50				
1		707	9.049 517	4 840		4826	9.960		141	49	11	846	845	844
		708		849		3977	9.960	100000	141	48	1	84.6	84'5	84'4
1.			0 6 40 000	040			9.960		141	47 46	2	169'2	169.0	168.8
13	4 - 41	0 705		849			9.960		141	45	3	253.8	253'5	253'2
10	THE RESERVE OF THE PARTY OF THE	5 707	9.049 941	848		0583		5048	141	44	5	338.4	3380	337'6
1		0 707	9.650 026	848			9.960		141	43	6	507.6	507.0	506.4
19		6 707	9.650 196	040		8039	9.960	4625	141	42	7	592'2	591'5	590.8
20	9.610 729	3 707	- 640 ala	848	0.349	The same of the sa	9.960	4484	141	40	8	676.8	676.0	675'2
21	9.610 799	9 700	100	847	0.349		9.960		1411	_	91	761-4	760.5	759.6
22		3	9.650 4504	847	0,349				142	39 38				
2.4		2 706		848			9.960	4060	141	37				- 4
25	The same of the same of	700	9,650 6199	847	0,349	2000	9.960	3919		36	T	708]	707	705
	9.611 153	0 700	9.650 7893	047	0.349	2954	O COLUMN	3778	142	35 -	1	70.8	70'7	70'5
27	9.611 223	5 705	9.650 8740	947		1260	-	3495	141	24		141'6	141'4	141.0
28	The second second	705	9.650 9587	847		THE RESERVE OF THE PERSON NAMED IN	3 3 80	3354	141	32		212.4	2121	211'5
29		706	9.651 0434	847	0.348	9566	9.960	3212	1421	31		283.2	282.8	282.0
30	9.611 435	- 705	9.651 1281	846		8719	9,960	3071	142		-	354.0	353'5	352'5
31	9.611 505	7 705	9.651 2127	847				2929	TATE	29	2	495'6	424'2	493'5
33	9.611 646	7 705	9.651 2974	846			9.960	2/00	142	28	21	566.4	565.6	564'0
34	9.611 717	1 704	9.651 4667	047	0.348		9.960	2040	IAT	27	9	637'2	636.3	634'5
35	9.611 787	704	9.651 5513	1 0401	The state of the s		9.960	2363	142	25				-
36	9.611 858	705	9.651 6359	846	- 6	3641	9.960	2222		24_	_	704	702	701
38	9.611 928	704	9.651 7205	846			9.960	2000	142	-	1	70'4	70.5	70'1
39	9.612 069	3 704	9.651 8896		- 0			10301	141	_		140'8	140'4	140'2
40	9,612 139	704	9.651 9742	840				1655	142		~	281'6	280.8	280.4
41	9.612 210	704	9.652 0587	045				1513	142 -	0	5 3	352'0	351.0	350.2
42	9,612 280	704	9.652 1433	040		6 -		1371	142	8	6	122'4	421'2	420.6
43	9.612 350	202	9.652 2278	045	0.347	7722		1230	141			192.8	491'4	490'7
44	9.612 421	202	9.652 3123	845				1000	142	16		563.2	561.8	560.8
46		7 703	9.652 3968 9.652 4813	845			9.960	0940	142	5	21	22 01	2.0	630'9
47	9.612 632	703	9.652 5658	043	0.347	4342	9.960	0662	142	4				
48	9.612 702	3 703	9.652 6503	845	0.347	3497	9.960	0520	142	3				
49	9.612 772	702	9.652 7348	844	0.347	2652	9.960	0378	142	1				
50	9.612 842	707	9.652 8192	844	0.347		9.960	0230	142	0		1 141	1 14	2
51	9.612 913		9.652 9036	845	0.347	0964	9.960	0094	142	9 8	1		'I I	1.2
53	9.613 053	702	0 052 0725	844	2.347	0119	9.959	99541.	142		2			3.4
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55	9.613 1930	702	9.653 2413	844	0.346	7587	9.959	9526	142	5	4 5		-	0.8
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57 58	9.613 334:	702	9.653 4101	843	0.346	5899	9.959	9242	142	3	7 8	98	7 99	4
59		701	9.653 4944 9.653 5788	SAA	0.346	1212	9.959	9100	43	2			9 7 7 7	
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3 9.013 7549 701 9.053 9.010 843 0.345 0.399 9.058 818 142 57 2579 2576 258	1	9.613 6147			843	0.346 2525	9.959 8673						1
3 9.013 7399 700 9.053 700 9.054 700 700 9.054 700	1		•		843	0.346 1682	9.959 8530						
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6 6,613 9651 700 9.654 2512 843 345 7468 9.959 7961 143 25 86 1475 700 9.654 3217 843 345 7468 9.959 7819 143 25 86 7587 677					843	0.345 9153	9.959 8103				421.2		
7 0.614 0.511 700 0.654 2513 842 0.345 6785 9.959 7879 143 52 5783 758 7			•			0.345 8310	9.959 7961		54				
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12 5-61-7 385-0 699 695-7 756-8 684-1 799-9 695-8 758-6 684-1 799-9 695-8 758-6 684-1 799-9 695-8 758-6	-		699		842			143		١.	820 1	828	837
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0	9.617 7	270	693	9.658 7041	836	0.341	2959	9.959	0229	144	60	_ .	836			834
ī		963	692	9.658 7877	837	0.341		9.959	0085	144	59	I	83.	1 -		83'4
2	9.617 8		693	9.658 8714	837	0.341	1286	9.958	9941	144	58	2	167	~1 ·	- 1	166.8
3			693	9.658 9551 9.659 0387	836	0.341	0449	9.958 9.958	9797	144	57 56	3	250°		- 1	333.6 333.6
5	9.618 c		692	9.659 1224	837			9.958		144	55	5	418			417.0
6	9.618 1		692	9.659 2060	836 837	0.340	7940	9.958	9365	144 144	54	6	501.	-1 ' '		500.4
7	9.618 2	2117	692	9.659 2897	836	0.340	7103	9.958	9221	144	53	7	285.			583.8
8	9.618 2		692	9.659 3733	836	0.340	6267	9.958	9077	144	52	8	668·			667.2
9	9.618 3		692	9.659 4569	836			9.958		145	51	91	152	4 751	21	750.6
10	9.618 4		692	9.659 5405	836		4595 3759		8644	144	<u>50</u>	١,	833	83	. 1	831
11	9.618 4 9.618 5		691	9.659 6241 9.659 7076	835			9.958		144	49 48	1	83.			83.1
13	9.618 6		692	9.659 7912	1 030	0.340	2088	9.958	8356	144	47	2	166.			166.5
14	9.618 6		109	9.659 8747	835 836	0.340	1253	9.958	8211	145	46	3	249	1	- 11	249'3
15	9.618 7		691	9.659 9583	835	0.340	0417	9.958	8067	144	45	4	333		. 1	332'4
	9.618 8		691	9.660 0418	835		9582 8 74 7	9.958 9.958	7923 7778	145	44 43	5	416			415.5
17 18	9.618 9 9.618 9		690	9.660 1253 9.660 2089	836	0.339			7634	144	42	7	499°	1		498.6
19	9.619 0		691	9.660 2924	835	0.339				145	41	8	666		- 11	664.8
20	9.619 1		690	9.660 3758	834		6242			144	40	9	749	1 2		747 9
21	9.619 1		691	9.660 4593	835		5407		7200	145	39	ľ				
22	9.619 2		690 690	9.660 5428	835 834	0.339	4572	9.958	7056	144	38					
23	9.619 3		690	9.660 6262	835	0.339	3738	9.958	6911	144	37	İ				
24	9.619 3		689	9.660 7097	834	0.339	2903	9.958 9.958	6622	145	36 35		693	69	2	691
25 26	9.619 4 9.619 5		690	9.660 7931 9.660 8766	835		1234		6477	145	34	1	69		.2	69.1
27	9.619 5		690 689	9.660 9600	834 834	0.339	0400	9.958	6333	144	33	2	138		- 1	138.5
28	9.619 6		689	9.661 0434	834	0.338	9566	9.958	6188	145	32	3	207°	- 1 :		207·3
29	9.619 7		689	9.661 1268	834		8732			144	31	5	346			345.2
30	9.619 8		689	9.661 2102	833		7898			145	30	6	415	8 419		414.6
31	9.619 8		689	9.661 2935	834	0.338	7065			145	29 28	7	485			483.7
32 33	9.619 9 9.620 0		689	9.661 3769 9.661 4603	834			9.958 9.958		145	27	8	554		.8	552.8
	9.620		688	9.661 5436	833	0.338	4564	9.958	5319	145	26	9	623	/ 022	. 01	0219
35	9.620 ì	1	689 688	9.661 6269	833 834	0.338	3731	9.958	5174	145	25	1	689	68	R 1	686
P 1	9.620 2		688	9.661 7103	833	0.338	2897	9.958	5030	145	24	-	68			68.6
37	9.620 2		688	9.661 7936	833			9.958 9.958		145	23 22	2	137	۱ ۱	-1	137.2
38 39	9.620 3 9.620 4	1	688	9.661 8769 9.661 9602	833			9.958		145	21	3	206			205.8
40	9.620 4	_	688	9.662 0434	832		9566			145	20	4	275	6 275	.2	274'4
41		572	688	9.662 1267	833			9.958		145	19	5	344			343.0
42	9.620 6		687 688	9.662 2100	833	0.337	7900	9.958	4159	146	1 8	6	482			411.6
43	9.620 6	947	687	9.662 2932	832	0.337	7068	9.958	4014	145 145	17	8	551		- 1	548.8
44			687	9.662 3765	832	0.337	0235	9.958	3869	145	16 15	9	620			617.4
45	9.620 8 9.620 9	321	687	9.662 4597 9.662 5429	832	0.337	4571	9.958 9.958	3724 3579	145	14					
47	9.620 9	605	687	9.662 6261	832	0.337	3739	9.958	3434	145 146	13	l				
48	9.621 0	382	687 686	9.662 7093	832	0.337	2907	9.958	3288	145	12	l				
49	9.621 1		687	9.662 7925	832	0.337	2075	9.958	3143	145	11	l			_	
50		755	686	9.662 8757	831	0.337	1243		2998	146	10	-		145	14	
51	9.621 2	2441	686	9.662 9588	822	0.337	0412	9.958	2852	145	9	l		14.2		r.6
52	9.621 3	3127	686	9.663 0420	831	0.336	9580	9.9 5 8 9.9 5 8	2707	145	8			29°0 43°5		3.8
	9.621 3 9.621 4	1400	686	9.663 1251 9.663 2083	832	0.330	7017	9.958	2416	146	6			58.0		3.4
Ιl	9.621 5		686	9.663 2914	831	0.336	7086	9.958	2271	145	5		5	72.2	73	3.0
	9.621 5	871	686 685	9.663 3745	831 831	0.336	6255	9.958	2125	146	4		6	87.0		ı.6
	9.621 6		686	9.663 4576	831	0.336	5424	9.958	1980	146	3			16.0	102	
	9.621 7		685	9.663 5407	831	0.336	4593	9.958 9.958	1834	145	2 I		- 1	30.2	131	
	9.621 7	_	685	9.663 6238 9.663 7069	821	0.336		9.958		146	-		<i>,</i> 1 -	J J 1	<i>J</i>	•
						Ta:		9.958 Si		d.	s.					
!	Cos.		d.	Cotang.	d. c.		5.			<u> </u>	ات					
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s.	Sin.	d.	Tang.	d. c.	Cotang		Co	_	d.						
0	9.621 8612	685	9.663 7069	830	0.336 25			1543	145	60	_	830		29	828
I	9.621 9297	685	9.663 7899	831	0.336 21				146	59	1	83		2'9	82.8
2	9.621 9982	685	9.663 8730	830	0.336 12 0.336 04	270 9.	.958	1252	146	58	3	166		5.8	1656
3 4	9.622 0667 9.622 1351	684	9.663 9560 9.664 0391	831	0.335 96				145	56	4	332		31.6	331.5
5	9.622 2036	685 684	9.664 1221	830 830	0.335 87	779 9	.958	0815	146	55	5	415		4.2	414'0
6	9.622 2720	684	9.664 2051	830	0.335 79			0669	146	54	6	498 581		7.4 30.3	496·8 579·6
8	9.622 3404 9.622 4088	684	9.664 2881 9.664 3711	830	0.335 71			0523 0378	145	53 52	8	664		53.5	662.4
9	9.622 4772	684	9.664 4541	830	0.335 54	159 9.	.958	0232	146 146	51	9	747		ŧġ. 1	-
10	9.622 5456	684	9.664 5370	829		630 9.	.958	0086	146	50					
11	9.622 6140	684 684	9.664 6200	830 830	0.335 38			9940	146	49		827	8	26	825
12	9.622 6824	683	9.664 7030	829	0.335 29	970 9.		9794	146	48	1	82	- 1	32.6	82.2
13	9.622 7507	683	9.664 7859 9.664 8688	829	0.335 21			9648	146	47 46	2	165 248		55.2 17.8	1650
14 15	9.622 8190 9.622 8874	684	9.664 9517	829	0.335 04			9356	146 146	45	3	330		30.4	247°5
16		683 682	9.665 0346	829 829	0.334 96	654 9.	.957	9210	146	44	5	413		3.0	412.2
17	9.623 0239	683	9.665 1175	829	0.334 88		.957	9064	146	43	6	496	'2 49	5.6	495'0
18	9.623 0922	683	9.665 2004 9.665 2833	829	0.334 79		.957 .957	8918 8772	146	42 41	7	578 661		78°2 50°8	577°5
19	9.623 1605	682	9.665 3662	829			·957 ·957	8626	146	40	9	744	1	13.4	742.2
20	9.623 2287	683	9.665 4490	828	0.334 55			8480	146	39	۱´'	, 44	5, 7	. 5 71	
21 22	9.623 2970 9.623 3652	682	9.665 5319	829 828	0.334 46	681 9.	.957	8333	147 146	3 8					
23		682 682	9.665 6147	828	0.334 38	853 9.	.957	8187	146	37					
24	9.623 5016	682	9.665 6975	829	0.334 30				146	36	_	685	5 6	84	683
25 26		682	9.665 7804 9.665 8632	828	0.334 21 0.334 13	19019. 2681a.		7895 7748	147	35 34	1	68	.2	58.4	68.3
27	9.623 7062	682 681	9.665 9460	828 828	0.334 05				146 146	3 3	2	137		36.8	136.6
28	9.623 7743	186	9.666 0288	827	0.333 97	712 9.			147	32	3	205 274	- 1	73.6	204'9 273'2
29	9.623 8424	682	9.666 1115	828	0.333 88			7309	146	31	5	342		12.0	341.2
30	9.623 9106	681	9.666 1943	828			·957	7163	147	30	6	4 I I	0 4	10'4	409.8
31	9.623 9787	68 I	9.666 2771	827	0.333 72 0.333 64		.957		146	2 9 2 8	7 8	479		78.8	478'1
32	9.624 0468 9.624 1149	681	9.666 4425	827	0.333 55			6723	147 146	27	9	548 616		17.2	546'4 614'7
34	9.624 1829	680 681	9.666 5253	828 827	0.333 47			6577	147	26	^'		J	٠,	` '
35		680	9.666 6080	827	0.333 39			6430	146	25 24	lı	682	2 6	81	679
36	9.624 3190 9.624 3871	68 I	9.666 6907 9.666 7734	827		093 9. 266 9.		6284	147	23	1	68	-2	58.1	67.9
37 38	9.624 4551	680	9.666 8561	827 826				5990	147 146	22	2	136	4 1	36.2	135.8
39	9.624 5231	680 680	9.666 9387	827	0.333 06			5844	147	2 I	3	204	_	24.3	203'7
40	9.624 5911	680	9.667 0214	826			.957	5697	147	20	5	272 341		72 [.] 4	271'6 339'5
41	9.624 6591	679	9.667 1040	827		960 9.			147	19	6	409		8.6	407.4
42	9.624 7270	680	9.667 1867	826	0.332 81			-	146	18	7	477	4 4	76.4	475'3
43 44	9.624 7950 9.624 8629	679	9.667 2693 9.667 3519	826	0.332 73			5110	147	16	8	545	6 5	14.8	543'2
45	9.624 9309	680 679	9.667 4346	827 826	0.332 56	654 9.	.957	4963	147 147	15	9	613	91 0	12.9	0111
46	9.624 9988	679	9.667 5172	826	0.332 48	828 9.	.957	4816	147	14					
47	9.625 0667 9.625 1346	679	9.667 5998 9.667 6823	825	0.332 40				147	I 3					
40 49	9.625 2025	679	9.667 7649	826	0.332 23			4375	147	11		1	146	1	47
50		678	9.667 8475	826	0.332 15			4228	147	10	١.	1	14.6	-	4.7
51	9.625 3382	679 678	9.667 9300	825 826				4081	147 147	9	1	2	29.2	2	9'4
52	9.625 4060	678	9.668 0126	825	0.331 90				147	8	1	3	43.8		4'I
53	9.625 4738	679	9.668 0951	825	0.331 90				147	7		5	58.4 73.0		8·8 3·5
54	9.625 5417 9.625 6095	678	9.668 1776 9.668 2601	825	0.331 02				147	5		6	87.6	8	8·2
56	9.625 6772	677	9.668 3426	825 825	6-				147	4			102.5	10	2.0
57	9.625 7450	678 678	9.668 4251	825	0.331 57	749 9	.957	3199	147	3		- 1	116.8		7.6
58	9.625 8128	677	9.668 5076	825	0.331 49				148	2 I		9 1	131.4	13	23
<u>59</u>	9.625 8805	678	9.668 5901 9.668 6725	824	0.331 40			2904 2757	147	-					
00	9.625 9483 Cos.	d.	Cotang.	d. c.	Tang.		.957 Sii		d,	s.					
-	COS.	u.					.,,,,	•		ات					
			4'	20											_

			1'	40	m							
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.625 9483	677	9.668 6725	825		9.957 2757		60	1	824	823	822
1	9.626 0160	677	9.668 7550	824	0.331 2450		147	59	1	82.4	82.3	82.3
2	9.626 0837	677	9.668 8374	825	0.331 1626		147 148	58	2	164.8	: :	164'4
3 4	9.626 1514	677	9.668 9199 9.669 0023	824	0.331 0801	9.957 2315 9.957 2168	147	57	3	247.2		246.6
5	9.626 2867	676	9.669 0847	824	0.330 9977		148	56 55	4	329.6 412.0	329.2 411.5	328.8
6	9.626 3544	677 677	9.669 1671	824 824	0.330 8329		147 147	54	6	494.4	493.8	493'2
8	9.626 4221	676	9.669 2495	824	0.330 7505		148	53	7	576.8	576'1	575'4
9	9.626 4897 9.626 5573	676	9.669 3319 9.669 4143	824	0.330 6681		147	52	8	659.2	658.4	
10	9.626 6249	676	9.669 4966	823	0.330 5034	9.957 1431 9.957 1283	148	<u>51</u> 50	91	741.6	740.7	739'8
11	9.626 6925	676	9.669 5790	824	0.330 4210	9.957 1135	148	49	lι	821	820	819
12	9.626 7601	676 676	9.669 6613	823 823	0.330 3387		147	48	1	82.1	82.0	81.9
13	9.626 8277	675	9.669 7436	824	0.330 2564	9.957 0840	148	47	2	164.5	164.0	163.8
14	9.626 8952	676	9.669 8260	823	0.330 1740		148	46	3	246.3	246·0	245.7
15 16	9.626 9628 9.627 0303	675	9.669 9083 9.669 9906	823	0.330 0917		148	45 44	4	328.4	328.0	327.6
17	9.627 0978	675 675	9.670 0729	823 822	0.329 9271		148	44	5	410.2	410.0 495.0	409'5 491'4
18	9.627 1653	675	9.670 1551	823	0.329 8449	9.957 0102	147 148	42	7	574.7	574.0	573'3
19	9.627 2328	675	9.670 2374	823	0.329 7626	9.956 9954	148	<u>4 I</u>	8	656.8	656·0	655.2
20	9.627 3003	674	9.670 3197	822	0.329 6803	9.956 9806	148	<u>40</u>	9	738.9	738.0	737.1
2 I 22	9.627 3677	675	9.670 4019 9.670 4842	823	0.329 5981	9.956 9658	148	39				
23	9.627 4352 9.627 5026	674	9.670 5664	822	0.329 5158	9.956 9510 9.956 9362	148	38				
24	9.627 5701	675 674	9.670 6486	822 822	0.329 3514		147	37 36	١.	C-0		
25	9.627 6375	674	9.670 7308	822		9.956 9067	148 148	35	-	678	677	675
26	9.627 7049	674	9.670 8130	822		9.956 8919	148	34	I 2	67·8	67.7 135.4	67°5
27 28	9.627 7723	674	9.670 8952 9.670 9774	822	0.329 1048	9.956 8771	148	33	3	203.4	203.1	202.2
29	9.627 9070	673	9.671 0596	822	0.328 9404	9.956 8474	149	32 31	4	271.5	270.8	270.0
30	9.627 9744	674	9.671 1417	821	0.328 8583	9.956 8326	148	30	5	339.0	338.5	337.5
31	9.628 0417	673 673	9.671 2239	822 821	0.328 7761		148	29	6	406.8	406°2	405°0
32	9.628 1090	674	9.671 3060	822		9.956 8030	148 148	28	8	542.4		
33 34	9.628 1764 9.628 2437	673	9.671 3882 9.671 4703	821	0.328 6118	9.956 7882 9.956 7734	148	27 26	9	610.5	609.3	607.5
35	9.628 3109	672	9.671 5524	821 821		9.956 7585	149	25				1
36	9.628 3782	673 673	9.671 6345	821	0.328 3655	9.956 7437	148	24		674	672	671
37	9.628 4455	672	9.671 7166	821	0.328 2834		148	23	1	67'4	67.2	67'1
38 39	9.628 5127	673	9.671 7987 9.671 8808	821	0.328 2013	9.956 7141 9.956 6 992	149	22 21	3	134.8	134'4	134·2 201·3
40	9.628 6472	672	9.671 9628	820	0.328 0372	9.956 6844	148	20	4	269.6	268.8	268.4
41	9.628 7144	672	9.672 0449	821	0.327 9551	9.956 6695	149	19	5	337.0	336.0	
42	9.628 7816	672	9.672 1269	820 820	0.327 8731		148	18	6	404'4	403.5	1 - 1
43	9.628 8488	672 672	9.672 2089	821	0.327 9911	9.956 6399	148 149	17	7 8	471.8 539.2		
44	9.628 9160	671	9.672 2910	820		9.956 6250	149	16	9	999.6		
45 46	9.628 9831 9.629 0503	672	9.672 3730 9.672 4550	820	0 227 5450	9.956 6101 9.956 5953	148	15 14			•	
47	9.629 1174	671	9.672 5370	820	0.327 4630		149	13				j
48	9.629 1845	671 671	9.672 6190	820 819	0.327 3810	9.956 5656	148	I 2				
<u>49</u>	9.629 2516	671	9.672 7009	820	0.327 2991	9.956 5507	149	11				
50	9.629 3187	671	9.672 7829	819	0.327 2171	9.956 5358	148	10	-			149
51	9.629 3858 9.629 4529	671	9.672 8648 9.672 9468	820	0.327 1352	9.956 5210	149	9 8				4'9
	9.629 5200	671	9.673 0287	819	0.327 0532 0.326 9713	9.956 4012	149	7				29 [.] 8
	9.629 5870	670 670	9.673 1107	820 819	0.326 8893	9.956 4764	148	6	1	4 5		9.6
5	9.629 6540	671	9.673 1926	819	0.326 8074	9.956 4615	149 149	5		5 7		4.2
6	9.629 7211	670	9.673 2745 9.673 3564	819	0.326 7255 0.326 6436	9.950 4466	149	4		- 1		39'4 24'3
5	9.629 8551	670	9.673 4383	819	0.326 5617		149	3	l			9.2
	9.629 9221	670 669	9.673 5201	818	0.326 4799		149	1	l	1	• 1	4· I
<u> </u>	9.629 9890	009	9.673 6020	019	0.326 3980	9.956 3870	149	0			•	1
]	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos		d.						
0	9.629 9890	670	9.673 6020	818	0.326 3980	9.956	3870	149	60	_	81	_	817	816
1	9.630 0560	669	9.673 6838	819	0.326 3162		3721	149	59	1		8	81.7	81.6
2	9.630 1229	670	9.673 7657	818	0.326 2343 0.326 1525	9.950	3572	149	58	3	163		163'4 245'1	163'2
3	9.630 1899 9.630 2568	669	9.673 8475 9.673 9294	819	0.326 0706			149	56	4	327		326.8	326.4
5	9.630 3237	669 669	9.674 0112	818	0.325 9888	9.956	3125	149	55	5	409		408.2	4080
6	9.630 3906	669	9.674 0930	818	0.325 9070			149	54	6	490		490.5	489.6
7 8	9.630 4575	668	9.674 1748 9.674 2566	818	0.325 8252	19.950	2627 2678	149	53 52	7 8	572 654		653.6	652.8
9	9.630 5243	669	9.674 3383	817	0.325 6617	9.956		149	51	9	736		735'3	100
10	9.630 6580	668	9.674 4201	818	0.325 5799	9.956	2379	150	50					
11	9.630 7249	669 668	9.674 5019	818	0.325 4981	9.956	2230	149	49		81	5	814	813
12	9.630 7917	668	9.674 5836	818	0.325 4164	9.956	2081	149	48	1		.2	81'4	81.3
13	9.630 8585	668	9.674 6654 9.674 7471	817	0.325 3346			150	47 46	2	163		162'8	162.6
14	9.630 9253	668	9.674 8288	817	0.325 1712			149	45	3	326		325.6	325'2
16	9.631 0589	668	9.674 9105	817 817	0.325 0895	9.956	1483	149	44	5	407		407.0	406.2
17	9.631 1256	668	9.674 9922	817	0.325 0078			149	43	6	489	0.0	488.4	487.8
18	9.631 1924	667	9.675 0739	817	0.324 9261	9.950		150	41	7 8	570		569.8	
19	9.631 2591	667	9.675 1556	816	0.324 7628			149	40	9	733		732.6	7317
20	9.631 3258	667	9.675 3189	817	0.324 7828		0736	150	39	91	133	. 31	, 3- 3	13.1
22	9.631 4592	667	9.675 4006	817 816	0.324 5994	9.956		149	38					
23	9.631 5259	667	9.675 4822	816	0.324 5178	9.956	0437	150	37					
24	9.631 5926	666	9.675 5638	816	0.324 4362	9.956	0287	149	36	1	66	9	667	666
25 26	9.631 6592	667	9.675 6454 9.675 7271	817	0.324 3546 0.324 2729	0.055	0138	150	35 34	1	66	6.9	66.7	66.6
27	9.631 7925	666 666	9.675 8087	816	0.324 1913			150	33	2	133		133'4	133.5
28	9.631 8591	666	9.675 8903	815	0.324 1097	9.955		149	32	3	267	-	200'1	1998
29	9.631 9257	666	9.675 9718	816	0.324 0282			150	31	5	334		333.2	333'0
30	9.631 9923	666	9.676 0534	816	0.323 9466		9389	150	30	6	401		400.5	399.6
31	9.632 0589	666	9.676 1350	815	0.323 8650			150	29 28	7	468		466.9	466'2
32	9.632 1255 9.632 1920	665	9.676 2165 9.676 2981	816	0.323 7835		9089 8940	149	27	8	535		533.6	532.8
33 34	9.632 2586	666 665	9.676 3796	815	0.323 6204		8790	150	26	91	002		600.3	399 4
35	9.632 3251	665	9.676 4611	815	0.323 5389		8640	150	25	1	66	. 1	664	663
36	9.632 3916	665	9.676 5426	815	0.323 4574 0.323 3759		8490 8240	150	24	1		5.5	66.4	66.3
37 38	9.632 4581	665	9.676 6241 9.676 7056	815	0.323 2944		8190	150	23	2	133	-	132.8	132.6
39	9.632 5911	665	9.676 7871	815	0.323 2129			150	21	3	199	5.6	199'2	198.9
40	9.632 6576	665 664	9.676 8686	815	0.323 1314	9.955	7890	150	20	4	266	- 1	265'6	265'2
41	9.632 7240	665	9.676 9501	814	0.323 0499			150	19	5	332		332.0	331.2
42	9.632 7905	664	9.677 0315	815	0.322 9685			150	18	7	465		464.8	464.1
43	9.632 8569	664	9.677 1130 9.677 1944	814	0.322 8870		7439 7289	150	17	8	532	0.0	531.5	530'4
44	9.632 9233 9.632 9897	664	9.677 2758	814	0.322 7242	9.955	7139	150	15	9	598	5.2	597.6	596.7
46	9.633 0561	664 664	9.677 3573	815 814	0.322 6427	9.955	6989	150	14					
47	9.633 1225	664	9.677 4387	814	0.322 5613	9.955	6838 6699	150	13					
	9.633 1889	663	9.677 5201 9.677 6015	814	0.322 4799 0.322 3985	9.955	6528	150	11					X .
49	9.633 2552 9.633 3216	664	9.677 6828	813	0.322 3172		6387	151	10		1	14	9 1 1	50
50 51	9.633 3879	663	9.677 7642	814	0.322 2358		6237	150	9	-	1	14		2.0
52	9.633 4542	663	9.677 8456	814	0.322 1544	9.955		150	8		2	29		0.0
53	9.633 5205	663 663	9 677 9269	813 814	0.322 0731	9.955	5936	151	7		3	44	7 4	5.0
54	9.633 5868	663	9.678 0083	813	0.321 9917			151	6		4	59		0.0
55	9.633 6531 9.633 7194	663	9.678 0896 9.678 1709	813	0.321 9104			150	5 4		5	74 89		0.0
57	9.633 7857	663	9.678 2522	813	0.321 7478			151	3			104		5.0
57 58 59	9.633 8519	662 662	9.678 3335	813 813	0.321 6665	9.955	5184	150	2			119	2 12	0,0
59	9.633 9181	663	9.678 4148	813	0.321 5852			151	_1		9	134	.1 13	5.0
60			9.678 4961		0.321 5039				0					
	Cos.	d.	Cotang.	d. c.		Sin	١.	d.	S.					
			4'	18	nı									
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.		d.					
0	9.633 9844	662	9.678 4961	813	0.321 5039	9.955 4	882	150	60		812	811	810
1	9.634 0506	662	9.678 5774	812	0.321 4226		732	151	59	1	81.3	4	
	9.634 1168	661	9.678 6586	813	0.321 3414		501	151	58	2	162'4 243'6	4	
3	9.634 1829 9.634 2491	662	9.678 7399 9.678 8211	812	0.321 2601			150	57 56	3	324'8		
5	9.634 3153	662 661	9.678 9024	813	0.321 0976		120	151 151	55	5	406.0	405	405.0
6	9.634 3814	661	9.678 9836	812	0.321 0164	9.955 3	9701.	151	54		487.2		
	9.634 4475 9.634 5137	662	9.679 0648 9.679 1460	812	0.320 9352 0.320 8540		676	151	53 52	7 8	568·4	1 4 5 5	
9	9.634 5798	661	9.679 2272	812	0.320 7728		526	150	51	9	730.8		1
10	9.634 6459	661	9.679 3084	812	0.320 6916		375	151	50				
11	9.634 7120	660	9.679 3896	812	0.320 6104	9.955 3		151 151	49	1	809	808	807
	9.634 7780	661	9.679 4708	811	0.320 5292		073	151	48	ī	80.0		
13	9.634 8441 9.634 9101	660	9.679 5519 9.679 6331	812	0.320 4481		771	151	47 46	2	161.8	l .	1 1
14 15	9.634 9762	661	9.679 7142	811	0.320 2858		620	151	45	3	323.6	.1 .	
16	9.635 0422	660 660	9.679 7953	811	0.320 2047	9.955 2	409	151 152	44	5	404.2		403.2
	9.635 1082	660	9.679 8765	811	0.320 1235		317	151	43	6	485.4		
18 19	9.635 1742 9.635 2402	660	9.679 9576 9.680 0387	811	0.320 0424		0151	151	42 41	7 8	566.3		1 2
20	9.635 3062	660	9.680 1198	811	0.319 8802		864	151	40	9	728.1		1
21	9.635 3721	659	9.680 2009	811	0.319 7991	1	712	151	39		•	, ,-, -	, , == 3
22	9.635 4381	660	9.680 2819	811	0.319 7181		E62 1	151 152	38				
23	9.635 5040	659 659	9.680 3630	810	0.319 6370		410	151	37				
24	9.635 5699	660	9.680 4440 9.680 5251	811	0.319 5560		2501	151	36		662	661	659
25 26	9.635 6359 9.635 7018	659	9.680 6061	810	0.319 4749		056	152	35 34	1	66.3	66.	1 2 3
D 1	9.635 7676	658	9.680 6872	811	0.319 3128	9.955 0	805	151 152	33	2	132.4		
28	9.635 8335	659 659	9.680 7682	810	0.319 2318		053	151	32	3	198.6		
<u>29</u>	9.635 8994	658	9.680 8492	810	0.319 1508		502	151	31	5	331.0	1	1 -
30	9.635 9652	659	9.680 9302	810	0.319 0698	1	351	152	30	6	397.2		
31 32	9.636 031 1 9.636 0969	658	9.681 0112 9.681 0921	809	0.318 9888			152	29 28	7	463.4 529.6		
33	9.636 1627	658	9.681 1731	810	0.318 8269		806	151	27	9	595.8	594	
34	9.636 2285	658 658	9.681 2541	809	0.318 7459	9.954 9	144	152 151	26	^'	373	. 57.	, 3,0
35	9.636 2943 9.636 3601	658	9.681 3350 9.681 4160	810	o.318 6650 o.318 5840	9.954 9	593	152	25 24	1	658	657	655
36 37	9.636 4258	657	9.681 4969	809	0.318 5031		28a	152	23	1	65.8		
38	9,636 4916	658	9.681 5778	809	0.318 4222	9.954 9	138	151 152	22	2	131.6		
39	9.636 5573	657 658	9.681 6587	809	0.318 3413	1	900	152	21	3	197'4 263'2	1	
40	9.636 6231	657	9.681 7396	809	0.318 2604	1	834	152	20	4	329.0	١ .	l .
41	9.636 6888	657	9.681 8205	809	0.318 1795 0.318 0986		002	151	19 18	5 6	394.8		393.0
42 43	9.636 7545 9.636 8202	657	9.681 9014 9.681 9823	809	0.318 0980			152	17	7	460.6		
44	9.636 8859	657	9.682 0632	809 808	0.317 9368		227	152	16	8	526.4 592.4	1	1 ~
1.0	9.636 9515	656 657	9.682 1440	800	0.317 8560		0/5	152	15	91	39	1 39* .	0 3093
40	9.637 0172 9.637 0828	656	9.682 2249 9.682 3057	808	0.317 7751		771	152	13				
48		656	9.682 3865	808	0.317 6943		6to	152	12				
49	9.637 2141	657	9.682 4674	809	0.317 5326		467	152	11				
50	9.637 2797	656	9.682 5482	808 808	0.317 4518	9.954 7.	315	152	10		1	51	152
51	9.637 3453	656 655	9.682 6290	808	0.317 3710	9.954 7	163	152 152	9				15'2
1	9.637 4108	656	9.682 7098	807	0.317 2902	9.954 7	OLL	152	8				30°4 45°6
	9.637 4764 9.637 5420	656	9.682 7905 9.682 8713	808	0.317 2095		707	152	7				60.8
1	9.637 6075	655	9.682 9521	808	0.317 0479		554	153	5		5 7	5'5	76.0
	9.637 6731	656	9.683 0328	807 808	0.316 9672	9.954 6	402	152 152	4				91.5
	9.637 7386	655 655	9.683 1136	807	0.316 8864		250	152	3 2				21.6
	9.637 8041 9.637 8696	655	9.683 1943 9.683 275 0	807	0.316 8057		045	153	I				36.8
ĺ	9.637 9351	655	$\frac{9.683}{9.683}$ $\frac{2738}{3557}$	807	0.316 6443		793	152	0				
İ	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	1	d.	s.				
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s.	Sin.	d.	Tang.	d. c.		·	C,	18.	d.						
0	9.637 9351	654	9.683 3557	808	0.316 6.	443	9.954	5793		60	1	807	8	06	80
1	9.638 0005	655	9.683 4365	807	0.316 5		9.954	5641	152	59	1	80	7	80.6	80
2	9.638 0660	654	9.683 5172	806	0.316 4	828	9.954	5488	153	58	2	161	4 1	61.5	161
3	9.638 1314	655	9.683 5978	807	0.316 4				152	57	3	242		41'8	24
4	9.638 1969	654	9.683 6785	807	0.316 3				153	56	4	322		22.4	32:
5	9.638 2623	654	9.683 7592 9.683 8398	806	0.316 2				152	55	5	403		03.0	40
7	9.638 3277	654	9.683 9205	807	0.316 0				153	54 53	7	484°		83·6 64·2	48 56
8	9.638 3931	654	9.684 0011	806	0.315 9				152	52	8	645		44.8	64
9	9.638 5239	654	9.684 0818	807	0.315 9				153	51	9	726		25.4	
0	9.638 5892	653	9.684 1624	806	0.315 8		9.954		153	50	۲.	•	J. ,	٠.,	•
1	9.638 6546	654	9.684 2430	806	0.315 7		9.954	4116	152	49	lı	804	. 1 8	lo3	80
2	9.638 7199	653	9.684 3236	806	0.315 6			3963	153	48	-	80		80.3	8
13	9.638 7852	653	9.684 4042	806	0.315 5		9.954	3810	153	47	2	160		60.6	16
4	9.638 8506	654	9.684 4848	806	0.315 5			3658	152	46	3	241	- 1	40.0	24
5	9.638 9159	653	9.684 5654	805	0.315 4	346	9.954	3505	153 153	45	4	321	-1	21.5	320
16	9.638 9812	652	9.684 6459	806	0.315 3			3352	153	44	5	402		01.2	40
7	9.639 0464	653	9.684 7265	805	0.315 2			3199	153	43	6	482		81.8	48
8	9.639 1117	652	9.684 8070	806	0.315			3040	152	42	7	562		62.1	56
9	9.639 1769	653	9.684 8876	805	0.315		9.954	2894	153	41	8	643	- 1	42.4	64
20	9.639 2422	652	9.684 9681	805	0.315 0		9·9 54	2741	153	40	91	723	6 7	22.7	72
21	9.639 3074	652	9.685 0486	805	0.314 9				153	39	l				
22	9.639 3726	652	9.685 1291	806	0.314 8			-	153	38					
23	9.639 4378	652	9.685 2097 9.685 2901	804	0.314 7				153	37 36					
25	9.639 5030 9.639 5682	652	9.685 3706	805	0.314 7				153	35		654	<u> </u>	553	65
26	9.639 6334	652	9.685 4511	805	0.314 5				153	34	1	65	4	65.3	6
27	9.639 6985	651	9.685 5316	805	0.314 4				153	33	2	130	.8 I	30.6	130
28	9.639 7637	652	9.685 6120	804	0.314 3		9.954	1517	153	32	3	196	- 1	95.9	19!
29	9.639 8288	651	9.685 6925	805	0.314 3		9.954	1363	154	31	4	261	- 1	61.2	260
30	9.639 8939	651	91685 7729		0.314 2	271	9.954	1210	153	30	5	327		26.2	326
31	9.639 9590	651	9.685 8533	804	0.314 I		9.954	1057	153	29	7	392 457		91·8 57·1	391 456
32	9.640 0241	651	9.685 9338	805 804	0.314 0			0904	153	28	8	523		22.4	521
33	9.640 6892	651	9.686 0142	804	0.313 9		9.954		153 154	27	9	588			
34	9.640 1543	651	9.686 0946	804	0.313 9				153	26		•			-
35	9.640 2194	650	9.686 1750	803	0.313 8				153	25	ĺι	651	. 1 6	49	64
36	9.640 2844	650	9.686 2553	804	0.313 7				154	24	1	65			64
37	9.640 3494	651	9.686 3357 9.686 4161	804	0.313 6		9.954 9.953	0137 9984	153	23 22	2	130		64·9 29·8	[20
39	9.640 4795	650	9.686 4964	803	0.313 5		9 .953 9 .953	9830	154	21	3	195		94.2	194
10	9.640 5445	650	9.686 5768	804	0.313 4			9677	153	20	4	260		59.6	259
-		650		803			9.953		154		5	325		24.2	324
12	9.640 6095	649	9.686 6571 9.686 7374	803	0.313 3				153	19 18	6	390	6 3	89.4	388
13	9.640 6744	650	9.686 8178	804	0.313 2 0.313 I			93/0	154	17	7	455		54'3	453
14	9.640 8044	650	9.686 8981	803	0.313				153	16	8	520		19.2	518
15	9.640 8693	649	9.686 9784	803	0.313 0	216	9.953	8909	154	15	91	585	9 5	84.1	58
6	9.640 9342	649 649	9.687 0587	803 802	0.312 9	413	9.953	8756	153	14					
7	9.640 9991	649	9.687 1389	803	0.312 8	611	9.953	8602	154 154	13					
8	9.641 0640	649	9.687 2192	803	0.312 7	808	9.953	8448	153	12	l				
19	9.641 1289	649	9.687 2995	802	0.312 7			8295	154	11	l				
0	9.641 1938	649	9.687 3797	803	0.312 6		9.953		154	10	١.	_ _	152	-1-	53
; 1	9.641 2587	648	9.687 4600	802	0.312 5				154	9	ł	I	15.5		2.3
	9.641 3235		9.687 5402	802	0.312 4				154	8		2	30.4		0.6
3	9.641 3884	. 0	9.687 6204	803	0.312 3				153	7		3	45.6		2.9
	9.641 4532			802	0.312 2				154	6		4	76.0		1.5 9.2
5	9.641 5180 9.641 5828			802	0.312 2 0.312 I				154	5	l	5	91.5		1.8
7	9.641 6476	648	9.687 8611 9.687 9413	802	0.312 0				154	3	l	- 1	06.4		7.1
	9.641 7124	648	9.688 0214	801	0.311 9				154	2			21.6		2 [.] 4
	9.641 7772	040	9.688 1016	802	0.311 8				154	ī	l		36.8		
	9.641 8420	648	0.688 1818	802	0.311 8				J 54	0	l	, , -	-		• •
-	Cos.	d.	Cotang.	d. c.	Tang.		9.933 Si	-	d.	s.	l				
		u.	Cotang.	I Us Co	A dille.		151		u.	J.					

Г		-	1/	44	m							
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.	Г				
0	9.641 8420	647	9.688 1818	801	0.311 8182	9.953 6602	100	60		801	800	799
1	9.641 9067	647	9.688 2619	802	0.311 7381		154	59	1	80.1	80.0	79'9
2	9.641 9714	648	9.688 3421	801	0.311 6579		154	58	2	160.5	160.0	159.8
3	9.642 0362	647	9.688 4222 9.688 5023	801	0.311 5778		155	57 56	3	240·3 320·4	240°0 320°0	239.7 239.7
5	9.642 1656	647	9.688 5825	802	0.311 4175		154	55	5	400.2	400.0	399.2
ő	9.642 2303	647 646	9.688 6626	801 801	0.311 3374		154	54	6	480.6	480.0	479.4
7	9.642 2949	647	9.688 7427	800		9.953 5523	154	53	7	560.7	560.0	559.3
8	9.642 3596	647	9.688 8227 9.688 9028	801	0.311 1773	9.953 5369	155	52 51	8	640·8 720·9	640°0 720°0	639.2
<u>9</u> 10	9.642 4243 9.642 4889	646	9.688 9829	801	0.311 0171	9.953 5214 9.953 5060	154	50	91	720 91	/2001	719.1
11	9.642 5535	646	9.689 0630	801	0.310 9370		154	49	l i	798	797	796
12	9.642 6182	647	9.689 1430	800 801	0.310 8570		155	48	-	79.8	797	79.6
13	9.642 6828	646 646	9.689 2231	800	0.310 7769		154	47	2	159.6	159.4	159.5
14	9.642 7474	645	9.689 3031	800	0.310 6969		155	46	3	239.4	239.1	238.8
15 16	9.642 8119	646	9.689 3831	800	0.310 6169		1.54	45	4	319.5	318.8	318.4
17	9.642 8765 9.642 9411	646	9.689 4631	801	0.310 5369		155	44 43	5	399'0 478'8	398.5	398.0
18	9.643 0056	645	9.689 6232	800 799	0.310 3768	9.953 3825	154 155	42	7	558.6	478·2	477 ^{.6}
19	9.643 0701	645 646	9.689 7031	800	0.310 2969		155	41	8	638.4	637.6	636.8
20	9.643 1347	645	9.689 7831	800	0.310 2169	9.953 3515	154	40	9	718.2		716.4
2 I	9.643 1992	645	9.689 8631	800	0.310 1369		155	39				
22	95643 2637	645	9.689 9431	799	0.310 0569		155	38				İ
23 24	9.643 3282 9.643 3926	644	9.690 0230 9.690 1030	800	0.309 9770		154	37 36	١.			
25	9.643 4571	645	9.690 1829	799	0.309 8171		155	35	-	647	646	645
26	9.643 5215	644 645	9.690 2628	799 799	0.309 7372	9.953 2587	155	34	1	64.7	64.6	64.2
27	9.643 5860	644	9.690 3427	799	0.309 6573		154	33	3	129'4	193.8	193.2
28 29	9.643 6504 9.643 7148	644	9.690 4226 9.690 5025	799	0.309 5774	9.953 2278 9.953 2123	155	32 31	4	258.8	258.4	258.0
30	9.643 7792	644	9.690 5824	799	0.309 4176	9.953 1968	155	30	5	323.2	323.0	322.2
31	9.643 8436	644	9.690 6623	799	0.309 3377	9.953 1813	155	29	6	388.2	387.6	387.0
32	9.643 9080	644 644	9.690 7422	799 799	0.309 2578	,,,,,	155	2 8	8	452.9 517.6	452·2 516·8	451.2
33	9.643 9724	643	9.690 8221	798	0.309 1779		155	27	9	582.3		580.2
34 35	9.644 0367 9.644 1011	644	9.690 9019 9.690 9818	799	0.309 0981		155	26 25				
4	9.644 1654	643	9.691 0616	798	0.308 9384		155	24		644	643	642
37	9.644 2297	643 643	9.691 1414	798 798	0.308 8586	9.953 0883	155	23	ι	64.4	64.3	64.5
38	9.644 2940	643	9.691 2212	799	0.368 7788		155	22	2	128.8	128.6	128.4
39	9.644 3583	643	9.691 3011	798	0.308 6989	9.953 0573	155	21	3	193 [.] 2	257.2	192.6 256.8
40	9.644 4226	643	9.691 3809 9.691 4607	798	0.308 6191	9.953 0418	156	20	5	322.0	321.2	321.0
41 42	9.644 4869 9.644 5511	642	9.691 4607 9.691 5404	797	o.308 5393 o.3c8 4596	9.953 0262 9.953 0107	155	19 18	6	386.4	385.8	385.2
43	9.644 6154	643	9.691 6202	798 798	0.308 3798		155	17	7 8	450.8	450'1	449'4
44	9.644 6796	642 643	9.691 7000	790	0.308 3000	9.952 9797	156	16	9	515.5 579.6	514.4 578.7	513.6
45	9.644 7439	642	9.691 7797	798	0.308 2203	9.952 9641	155	15	"	313 2	31-11	3, 1
47	9.644 8723	642	9.691 8595	797	0.308 1405	9.952 9486 9.952 9331	155	13				ŀ
	9.644 9365	642 641	9.692 0189	797 798	0.307 9811		156	12				
<u>49</u>	9.645 0006	642	9.692 0987	797	0.307 9013	9.952 9020	156	11				
50	9.645 0648	642	9.692 1784	797		9.952 8864	155	10	_	154	155	156
51	9.645 1290	641	9.692 2581	797	0.307 7419	9.952 8709	156	9	I	15.4	15.2	15.0
16.5	9.645 1931 9.645 2572	641	9.692 3378 9.692 4175	797	0.307 6622 0.307 5825	9.952 8553	155	8	3	30·8 46·2	31.0 46.2	31·2 46·8
· 'l	9.645 3214	642	9.692 4971	796	0.307 5029	9.952 8242	156	7	4	61.6	62.0	62.4
3	9.645 3855	641	9.692 5768	797 797	0.307 4232	9.952 8087	155	5	5	77.0	77.5	78.0
	9.645 4496	641	9.692 6565 9.692 7361	796	0.307 3435		156	4	6	92:4	93.0	93.6
\frac{1}{3}	9.645 5137 9.645 5777	640	9.692 7301	797	0.307 2639 0.307 1842		155	3	8	107.8	124'0	124.8
,	9.645 6418	641	9.692 8954	796	0.307 1046		156	I	9	138.6	139.2	140'4
اذِ	9.645 7058	640	9.692 9750	796	0.307 0250		156	0			·	
_	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				
			4"	15	1112							

			1'	45	m			-							
s.	Sin.	d.	Tang.	d. c.	Cot	ang.	C)5.	d.						
0	9.645 7058	641	9.692 9750	796	0.307	0250	9.952	7308	156	60	_	796	7	95	794
1	9.645 7699	640	9.693 0546	796	0.306		9.952		155	59	1	79	1 0 5	9.2	79
2	9.645 8339	640	9.693 1342	796			9.952		156	58	2	238		8.2	238
3	9.645 8979	640	9.693 2138	796			9.952 9.952		156	57 56	3	318		8.0	317
5	9.645 9619	640	9.693 3730	796			9.952		156	55	5	398	_	7.5	397
6	9.646 0899	640	9.693 4526	796		-	9.952	-	156	54	6	477		7'0	476
7	9.646 1539	639	9.693 5321	795 796			9.952		156	53	7	557	55	6.9	555
8	9.646 2178	640	9.693 6117	795	0.306 0.306		9.952		156	52	8	636		5.2	-
9	9.646 2818	639	9.693 6912	796	0.306		9.952 9.952	-	156	51	.91	,		. 5 5	1-4
0	9.646 3457	639	9.693 7708	795	0.306		9.952		156	50	1	793	1 7	92	791
11	9.646 4096	639	9.693 8503 9.693 9298	795			9.952		156	49	1	79		19.5	79
13	9.646 5374	639	9.694 0093	795	, -	•	9.952		156	47	2	158		8.4	158
4	9.646 6013	639	9.694 0888	795 795			9.952		156	46	3	237		37.6	237
15	9.646 6652	638	9.694 1683	795	,	8317			156	45	4	317		16.8	316
16	9.646 7290	639	9.694 2478 9.694 3272	794		7522 6728		4656	157	44	5	396		96.0	395
8	9.646 8567	638	9.694 4067	795	,	5933		4500	156	42	7	555		54.4	474 553
19	9.646 9205	638	9.694 4862	795	0.305			4344	156	41	8	634		33.6	632
20	9.646 9844	639	9.694 5656	794	0.305	4344	9.952	4188	157	40	9	713	7 71	12.8	711
21	9.647 0482	638 638	9.694 6450	794	0.305	3550	9.952	4031	156	39					
22	9.647 1120	637	9.694 7245	795 794	1	2755			157	38					
23	9.647 1757	638	9.694 8039	794			9.952 9.952		156	37	П.				
24	9.647 2395 9.647 3033	638	9.694 8833 9.694 9627	794			9.952	-	156	36 35	_	641		39	63
26	9.647 3670	637	9.695 0421	794			9.952		157	34	1	64		93.9	63
27	9.647 4307	638	9.695 1215	794 794	0.304	8785	9.952	3093	157	33	2	192	1000	27.8	191
28	9.647 4945	637	9.695 2009	793	0.304			2936	156	32	3	256		55.6	255
29	9.647 5582	637	9.695 2802	794		7198		2780	157	31	5	320		19.2	319
30	9.647 6219	637	9.695 3596	793	0.304		9.952	_	157	30	6	384	_	33'4	382
31	9.647 6856	636	9.695 4389 9.695 5183	794		5611	9.952 9.952	2466	156	29 28	7 8	512		47'3 11'2	446
32	9.647 7492 9.647 8129	637	9.695 5976	793			9.952		157	27	9	576		75.1	510
34	9.647 8766	636	9.695 6769	793			9.952		157	26	21	3,		3 -1	37.
35	9.647 9402	636	9.695 7562	793 793			9.952		157	25	1	637	1 6	36	635
36	9.648 0038	636	9.695 8355	793		0852	9.95 2 9.95 2		157	24	1	63'	_	63.6	63
37	9.648 0674	636	9.695 9148	793		_	9.952		157	23	2	127		27.2	127
39	9.648 1946	636	9.696 0734	793		9266		1212	157	21	3	191	I	90.8	190
10	9.648 2582	636	9.696 1527	793	0.303	8473	9.952	1055	157	20	4	254		54'4	254
I	9.648 3218	636	9.696 2319	792	0.303	7681	9.952	0899	156	19	5	318		18.0	381
2	9.648 3854	636	9.696 3112	793 792		6888			157	18	7	445	10	15.5	444
3	9.648 4489	635	9.696 3904	793		-	9.952		157	17	8	509.		8.8	508
4	9.648 5760	636	9.696 4697 9.696 5489	792			9.952 9.952		157	15	9	573	3 57	2.4	571
5	9.648 6395	635	9.696 6281	792			9.952		157	14					
7	9.648 7030	635 635	9.696 7073	792 792	0.303	2927	9.951	9956	158	13					
8	9.648 7665	634	9.696 7865	792			9.951		157	12					
9	9.648 8299	635	9.696 8657	792	0.303		9.951	_	157	11					
0	9.648 8934	635	9.696 9449	792	0.303		9.951	_	157	10	-		156		57
I	9.648 9569	634	9.697 0241	79I			9.9 51 9.9 51		157	8			31.5		5'7
2	9.649 0203 9.649 0837	634	9.697 1032 9.697 1824	792	0.302	8176	9.951	9013	158	7			6.8		7.1
	9.649 1472	635	9.697 2615	791	0.302	7385	9.951	8856	157	6		4	52'4	6	2.8
5	9.649 2106	634	9.697 3407	792 791	0.302	6593	9.951	8699	158	5			78.0		8.2
6	9.649 2740	633	9.697 4198	79			9.951		157	4		0 1	3.6		4'2
	9.649 3373	634	9.697 4989	792			9.951		157	3 2			24.8	12	
	9.649 4641	634	9.697 5781 9.697 6572	79I			9.951		158	I			10.4	14	
	9.649 5274	633	9.697 7363	791	0.302				157	0		- 1			
-	Cos.	d.	Cotang.	d. c.	Tai		Si	_	d.	-					
_ 1			and.	-		-11			1						

12 9.653 2888 633 9.698 6847 799	
1 9,449 5005 633 9,697 634 7,907 7,908	العدد
1 9.49 5086 33 5097 894 791 0.302 1056 0.991 7397 83 157 83 137 83	788
3 0.640 7174 633 6.67 9713 791 7	78.8
4 9.649 7807 633 0.688 6336 799 0.301 6373 699 9.499 9073 633 9.698 1867 799 0.301 7834 9.951 6967 1.55 53 699 9.699 9.695 0.303 633 9.698 2897 799 0.301 7703 9.951 6809 1.55 33 7 0.301 633 9.698 2897 799 0.301 633 9.951 6301 1.55 33 9.951 6301 1.55 33 9.951 6301 1.55 33 9.951 6301 1.55 33 9.951 6301 1.55 33 9.951 6301 1.55 33 9.951 6301 1.55 3.55 33 9.951 6301 1.55 3.55 33 9.951 6301 1.55 3.55 3.001 1.57 3 9.951 6301 1.55 3.55 3.001 1.57 3 9.951 6301 1.55 3.55 3.001 1.57 3 9.951 6301 1.55 3.55 3.001 1.57 3 9.951 5704 1.55 9.650 4763 632 9.698 8427 7.90 0.301 1.57 3 9.951 5704 1.55 9.650 4763 632 9.699 0.906 789 0.301 0.001 1.57 3 9.951 5304 1.55 4.5 1.55 1.55 1.55 1.55 1.55 1.55	236.4
S 9,649 8440 643 9,698 1206 791 69449 996 6967 158 53 75330 5523 9,698 0971 632 9,698 3687 799 632 9,698 3687 799 632 9,698 6957 799 632 9,698 6957 799 632 9,698 6957 799 632 9,698 6957 799 632 9,698 6957 799 632 9,698 7637 799 632 9,698 7637 799 632 9,698 6957 799 632 9,698 6957 799 632 9,695 268 788 799 632 9,698 6957 799 632 9,698 6957 799 632 9,698 6957 799 632 9,699 0796 789 632 9,698 6958 799 789 632 9,699 0796 789 632 9,698 6858 8,955 07920 8,969 0796 789 632 9,695 07920 789 632 9,699 0796 789 632 9,699 0796 789 632 9,699 0796 789 632 9,699 0796 789 632 9,699 0796 789 632 9,699 0796 789 632 9,699 0796 789 632 9,699 0796 789 632 9,699 0796 789 7	315.5
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18	93.0
19 9.650 7280 631 9.699 3164 789 9.650 789 9.650 9182 631 9.699 5531 789 9.650 813 631 9.699 5531 789 9.650 813 631 9.699 5531 789 9.650 789 789 789 789 9.651 1705 631 9.699 7897 788 8.300 2015 189	71.6
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22 9.650 9182 631 9.699 4742 789 0.300 5258 9.951 4441 158 37 819 0.300 4469 9.951 4283 159 36 44 9.655 0444 631 9.699 5531 789 0.300 3680 9.951 4281 158 35 1 633 632 259 9.651 1705 630 9.699 7897 788 0.300 2201 39.951 3366 158 35 1 633 632 28 9.651 2966 630 9.699 8686 788 0.300 1314 9.951 3650 158 33 18.99 9.951 3590 630 9.700 1051 80 80 9.9051 4226 630 9.700 1051 80 80 9.700 1051 80 80 9.9051 4226 630 9.700 1051 80 80 9.9051 3596 630 9.700 1051 80 80 9.9051 3596 630 9.700 1051 80 80 9.9051 3596 630 9.700 1051 80 80 9.9051 3596 630 9.700 4040 788 0.299 8049 9.951 3750 159 31 5 3165 3165 3169 9.651 8633 639 9.700 4040 788 0.299 9.700 4902 788 0.299 9.700 4902 788 0.299 9.700 4902 788 0.299 5796 9.951 2383 159 26 31 9.651 8633 639 9.700 4902 788 0.299 5796 9.951 2383 159 26 31 9.651 8633 639 9.700 5780 788 0.299 9.700 9.951 2051 159 21 15	
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28 9.651 2906 630 9.700 20263 788 0.299 8160 9.651 3333 3165 3165 3165 3262 3263 3265 3266 3265 3266 3265 3266 3265 3266 3265 3266 3265 3266 3265 3266 3265 3266 3265 3266 3265 3266 3265 3266 3265 3266 3265 3266 3265 3266 3265 3265 3266 3265 3265 3266 3265	189.3
2-9 2-9 2-9 3-9	252'4
31	
32	378.6
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34 9.651 6745 630 9.700 4204 788 0.299 5796 9.951 2381 158 159 369 9.651 8034 629 9.700 5780 788 0.299 3433 9.951 2363 158 23 158 23 158 23 158 23 158 23 158 23 158 23 158 23 158 24 158 24 158 25 158 24 158 25 158 24 158 25 158 25 158 25 158 25 158 25 158 159 206 158 158 24 158 25 158 158 24 158 25 158 159 158 15	567.9
36	
37	627
38	62.7
39 9.651 9892 629 9.700 8930 787 9.951 1590 159 15	188.1
40 9.652 0521 628 9.701 0505 787 0.298 8708 9.951 1373 158 159 178 159 178 159 178	250'8
42 9.652 1778 629 9.701 0505 787 787 0.298 8708 9.951 1273 159 18 159 18 40.0652 2407 628 9.701 2080 9.701 2080 9.652 3035 628 9.701 2080 9.701 3654 628 9.701 3654 628 9.701 3654 628 9.701 4441 8.652 5548 628 9.701 6014 9.652 6176 628 9.701 6014 9.652 6176 628 9.701 6014 9.652 6176 628 9.701 6014 9.652 6804 9.652 7431 9.652 6804 9.701 8374 9.652 8686 9.652 8686 9.652 8686 9.701 9947 86 9.652 8686 9.652 9313 9.701 9947 86 9.653 1195 9.702 2305 9.653 1195 9.702 2305 9.653 1195 9.702 2305 9.653 1195 9.702 2305 9.653 1195 9.702 2305 9.653 1195 9.702 2305 9.653 1822 9.653 2448 9.653 3075 9.702 3091 9.653 0.297 6959 9.950 8890 9.950 889	313'5
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49 9.652 6176 628 9.701 6014 627 787 786 9.652 8686 627 9.701 9160 9.653 0568 9.653 1195 9.653 11822 9.653 1822 9.653 1822 9.653 1822 9.653 2448 9.653 3075 Cos. d. Cotang. d. c. Tang. Sin. d. s.	
S1	
S1	59
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9.653 1195 627 9.702 2305 786 0.297 7695 9.950 8890 159 3 159 3 160 159 3 160	9.5
9.653 1822 9.702 3091 786	1'3
9.653 2448 9.702 3877 786 0.297 6123 9.950 8571 159 1	7.2
9.653 3075 627 9.702 4663 786 0.297 5337 9.950 8412 139 0 Cos. d. Cotang. d. c. Tang. Sin. d. s.	3.1
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53 4328 53 4954 53 5581 53 6207 53 6833 53 7458 53 8084 53 8710 54 0586 54 1211 54 1836 54 2461 55 3086 54 3711 54 4335	626 626 627 626 626 625 626 625 626 625 625 625	9.702 6. 9.702 7. 9.702 7. 9.702 8. 9.702 9. 9.703 0. 9.703 1. 9.703 2.	449 785 234 786 200 785 591 785 370 785 161 785 946 786	0.297 0.297 0.297 0.297 0.297 0.297 0.296	3766 2980 2195 1409 0624	9.950 9.950 9.950	8094 7934	159 160	58	2	157'2	157'0	100
53 4954 53 5581 53 6207 53 6833 53 7458 53 8084 53 8710 53 9335 54 0586 54 1211 54 1836 54 2461 55 3086 54 3711 54 4335	626 627 626 626 625 626 625 625 625 625 625	9.702 79.702 8 9.702 9.703 0 9.703 0 9.703 1 9.703 2	786 786 785 786 785 785 785 785 785 785 785 785	0.297 0.297 0.297 0.297 0.297 0.296	3766 2980 2195 1409 0624	9.950 9.950 9.950	8094 7934	160					15
53 4954 53 5581 53 6207 53 6833 53 7458 53 8084 53 8710 53 9335 54 0586 54 1211 54 1836 54 2461 55 3086 54 3711 54 4335	627 626 626 625 626 625 625 625 625 625	9.702 75 9.702 8 9.702 9 9.703 0 9.703 0 9.703 1 9.703 2	785 786 786 785 785 785 785 786 786	0.297 0.297 0.297 0.297 0.296	2195 1409 0624	9.950			57	3			
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53 6833 53 7458 53 8084 53 8710 53 9335 53 9961 54 0586 54 1211 54 1836 54 2461 55 3086 54 3711 54 4335	626 625 626 626 625 626 625 625 625	9.702 9 9.703 0 9.703 0 9.703 I 9.703 2	591 785 376 785 161 785 946 786	0.297 0.297 0.296	0624	9.950		159	56	4	3144	314'0	31
53 7458 53 8084 53 8710 53 9335 53 9961 54 0586 54 1211 54 1836 54 2461 54 3086 54 3711 54 4335	625 626 626 625 625 625 625	9.703 0 9.703 0 9.703 1 9.703 2	785 161 785 786 786	0.297				159	55	5	393.0	392.2	39
53 8084 53 8710 53 9335 53 9961 54 0586 54 1211 54 1836 54 2461 54 3086 54 3711 54 4335	626 626 625 626 625 625 625	9.703 0 9.703 I 9.703 2	946 785 732 786	0.296		9.950		160	54	6	471.6	471.0	
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53 9335 53 9961 54 0586 54 1211 54 1836 54 2461 54 3086 54 3711 54 4335	626 625 625 625	9.703 2	7321 .			9.950		160	52	8	628.8	628.0	
53 9961 54 0586 54 1211 54 1836 54 2461 54 3086 54 3711 54 4335	626 625 625 625	-		0.290				159	51	9	707.4	706.2	79
54 0586 54 1211 54 1836 54 2461 54 3086 54 3711 54 4335	625 625 625	0.702 2	516 785	10 200	7484	9.950	6819	160	50				
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54 2461 54 3086 54 3711 54 4335		9.703 4	871 / 63	0.290		9.950		159	47	2	156.6	156.4	15
54 3086 54 3711 54 4335		9.703 5	656 23		4344	9.950	6181	160	46	3	234.9	234.6	-
54 3711 54 4335	625	9.703 6	440	0.290		9.950		160	45	4	313.5	312.8	31
54 4335	625	9.703 7	225 787	0.290		9.950		159	44	5	391.2	391.0	39
	624	9.703 8	009 784	0.290		9.950		160	43	6	469.8	469'2	46
	625	9.703 8	7931 785	0.290	-	9.950		160	42	7	548.1	547.4	54
54 4960	624	9.703 9.	570 784	0.290		9.950		159	41	8	626.4	625.6	
54 5584	625	9.704 0	362 784	10.205	9638	9.950	5223	160	40	91	704.4	703.8	70
54 6209	624	9.704 I	146 704	0 205	8854	9.950	5063	160	39	İ			•
54 6833	624	9.704 1		0 205			4903	160	38	1			
54 7457	624	9.704 2	714 783	10 205	7286	9.950	4743	160	37				
54 8081	624	9.704 34	497 784	10 205	6503	9.950	4583	160	36	1	626	625	6
54 8705	623	9.704 4	281 784	0.295		9.950		160	35	- -			-
54 9328	624	9.704 5	005 783	0.295		9.950		159	34	I	62.6	62.2	12
54 9952	623	9.704 5	040 784	0.295		9.950		160	33	2	125.5		18
55 0575	624	9.704 6	032 783	0.295		9.950		160	32	3	250'4	250.0	24
55 1199	623	9.704 7	415 782	10.205	2585	9.950	-	160	31	5	313.0	312.2	31
55 1822	623	9.704 8	198 784	10.205	1802	9.950	3624	161	30	6	375.6	375.0	٠.
55 2445	1.5	9.704 8		1000	1018	9.950	3463	160	29	7	438.2	437.5	43
55 3068	623	9.704 9			0235	9.950	3303	160	28	8	500.8		
55 3691	623	9.705 0		10.204	9452	9.950	3143	160	27	9	563.4		-
55 4314	623	9.705 1	331 783		8669	9.950	2983	160	26	' ''	5 0	5 5.	
55 4937	622	9.705 2	114 782	0.294		9.950		160	25	١,	6 1		6:
55 5559	623	9.705 2	897 782	0.294		9.950		161	24	-	623	622	_
55 6182	622	9.705 3	679 783	0.294		9.950		160	23	I	62.3	62.3	6
55 6804	622	9.705 4	402 782	0.294		9.950	2342	160	22	2	124.6	124.4	12
55 7426	622	9.705 5	244 782	10.204	4756	9.950	2182	160	21	3	186.9	186.6	
55 8048	11.00	9.705 6	027 782	10.204	3973	9.950	2022	161	20	4	249.2	248.8	24
55 8670	622	9.705 6	800 /02	0 204	3191	9.950	1861		19	5	311.2	311.0	
55 9292	622	9.705 7	502 /03	0.204		9.950		160 161	ı Ś	6	373.8	373.2	37
55 9914	622	9.705 8	274 702	0.294	1626	9.950	1540	160	17	8	436·1 498·4	435.4	43 49
56 0536	621	9.705 9	156 782		0844	9.950	1380	161	16				
56 1157	622	9.705 9	938	0.294	0062	9.950	1219	160	15	9	560.7) 224 ol	. 23
56 1779	621	9.706 0	720 782	0.293	9280	9.950	1059	161	14	1			
56 2400	621	9.706 I	502 702	10.293		9.950		160	13	i			
56 3021	622	9.706 2	204 .0.	0.293		9.950		161	12	1			
56 3643	621	9.700 3	782	10.293		9.950	<u>0577</u>	160	11	1		_	
56 4264	77. " 17.1	9.706 3	2471	10.202	6153	9.950	0417		10		_1	59 1	60
30 4204	621	0 706 4	620 702	0.202		9.950	0256	161	9	1 -	II	5.9 I	6.0
	620	9.706 5	410 701	0 202		9.950		161	8			1.8 3	32.0
56 4885	621	0 706 6	101 /01	0.202		9.949		160	7	i			8.0
	621	0.706 6	072 /02	0 202				161	6			3.6 6	4'0
56 4885 56 5505		9.706 7	754 701	0 202				1 1	5				30.0
56 4885 56 5505 56 6126	1000000	0.706 8	125 701	10 202					4	1		5.4 9	6.0
56 4885 56 5505 56 6126 56 6747	100000	0 706 0	216 /01	0 202					3	ı	7 11		2.0
56 4885 56 5505 56 6126 56 6747 56 7367	020	9.707 0	097 701	0.292				1 1	2	1	8 12	- 1	8.0
56 4885 56 5505 56 6126 56 6747 56 7367 56 7987 56 8608 56 9228	The second	9.707 0			9122				1	1	9 14	3.1 14	4.0
56 4885 56 5505 56 6126 56 6747 56 7367 56 7987 56 8608	620			0.202	8241	9.949	8809	101	0	1			
56 4885 56 5505 56 6126 56 6747 56 7367 56 7987 56 8608 56 9228	The second	19.707 I	マンソー	10.292	~)								
5	6 7367 6 7987 6 8608	6 6747 6 7367 6 7987 6 8608 6 9228 6 9848 6 9848	6 7747 6 7367 6 7987 6 8608 6 8608 6 9228 6 9228 6 9848 6 309707 6 92707	6 7367 6 7367 6 7987 6 8608 6 9228 6 9848 6	6 7367 620 9.706 0973 781 0.293 6 7987 620 9.706 8535 781 0.293 6 8608 6 9228 620 9.706 9316 781 0.293 0.293 0.293 0.293 0.293 0.293 0.293 0.293 0.293 0.293 0.293 0.293	6 7367 620 9.706 0973 781 0.293 32246 7987 620 9.706 8535 781 0.293 1465 6868 6 9228 620 9.706 9316 781 0.293 0684 620 9.707 0097 781 0.292 9903 6848 620 9.707 0097 781 0.292 9903 0.292 9122	6 7367 6 7367 6 7367 6 7987 6 8508 6 9228 6 9228 6 9848 6	6 7367 620 9.706 7754 781 0.293 2246 9.949 9613 781 0.293 1465 9.949 9452 781 0.293 1465 9.949 9452 781 0.293 0684 9.949 9291 6.293 0684 9.949 9291 9.707 0097 781 0.292 9903 9.949 9131 0.292 9122 9.949 8970	6 747 620 9.706 6973 781 0.293 3027 9.949 9774 161 781 0.293 3027 9.949 9673 161 781 0.293 3027 9.949 9673 161 781 0.293 1465 9.949 9652 161 162 9.706 9316 781 0.293 0.684 9.949 9291 160 0.293 0.293 9.949 9131 161 162 9848 620 9.707 0.293 903 9.949 9131 161 0.292 9122 9.949 8970 161 161 162 163 163 163 163 163 163 163 163 163 163	6 747 620 9.706 0973 781 0.293 3027 9.949 9774 161 6 7987 620 9.706 8535 781 0.293 1465 9.949 9452 161 4 6 8608 6 9228 6 9228 6 9848 620 9.707 0097 781 0.292 9903 9.949 9131 160 2 2 161 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 6 747 6 767 6 767 781 0.293 3027 9.949 9774 161 6 7367 6 7987 6 20 9.706 8535 781 0.293 1465 9.949 9452 161 6 8608 6 9228 6 9848 7 0.468 0.29 9.949	6 747 620 9.706 9973 781 0.293 3027 9.949 9774 161 5 7 7 7 7 7 7 7 7 7 7 7 81 0.293 2246 9.949 9613 161 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	6 6 747 620 9.706 0973 781 0.293 3027 9.949 9774 161 5 79.55 8 6 70.87 6 70.87 6 8535 6 86.8 6 9228 6 9.848 7 0.468 9.707 1659 781 781 0.293 0684 9.949 9452 161 3 7 111.3 114

			1	^h 48	m				l			
5,	Sin.	d.	Tang.	d. c.		Cos.	d.		ŀ			
0	9.657 0468	619	9.707 1659	781	0.292 8341	9.949 8809	161	60		78 0	779	778
1	9.657 1087	620	9.707 2440	780		9.949 8648	161	59	1	78.0	77.9	77
2	9.657 1707	620	9.707 3220	781		9.949 8487	161	58	2	156.0	155.8	
3	9.657 2327 9.657 2946	619	9.707 4001			9.949 8326 9.949 8165	161	57 56	3	234'0	233.7 311.6	
5	9.657 3565	619	9.707 5562	1 /01		9.949 8103	161	55	5	30.0		389.
6	9.657 4185	620	9.707 6342			9.949 7843	161	54	6	468.0	467.4	
78	9.657 4804	619	9.707 7122	780	0.292 2878	9.949 7682	161	53	7	546.0	545.3	544
	9.657 5423	619	9.707 7902	1 -0-		9.949 7521	162	52	8	624.0	_	
9	9.657 6042	619	9.707 8682		0.292 1318		161	51	91	702.0	701.1	700.
01	9.657 6661	618	9.707 9462		0.292 0538	9.949 7198	161	50	ŀ			
12	9.657 7279	619	9.708 0242	780		9.949 7037 9.949 6876	161	49 48	-			76
	9.657 8516	618	9.708 1802	1 700	0.201 8198	9.949 6714	162	47	į			77.6
	9.657 9135	618	9.708 2582	700	0.291 7418	9.949 6553	161 161	46				55 [.] 2 32 [.] 8
	9.657 9753	618	9.708 3361		0.291 6639	9.949 6392	162	45	l			10.4
	9.658 0371	618	9.708 4141	770		9.949 6230	161	44	l		8.2 3	88.o
	9.658 0989	618	9.708 4920	779		9.949 6069 9.949 59 08	161	43				65.6
	9.658 2225	0.0	9.708 6479	1 /00	0.291 3521		162	42 41				43°2 20°8
-	9.658 2842	617	9.708 7258	779	0.291 2742	9.949 5585	161	<u>-</u>			_	98.4
	9.658 3460	618	9.708 8037	779		9.949 5423	162	39	l	, ,	, , ,	<i>)</i> - •
	9.658 4077	617	9.708 8816	779		9.949 5262	161 162	38	l			
~	9.658 4695	617	9.708 9595	779	0.291 0405	9.949 5100	162	37				
	9.658 5312	617	9.709 0374	778		9.949 4938	161	36	lι	619	816	617
-	9.658 5929 9.658 6546	617	9.709 1152 9.709 1931	770		9.949 4777 9.949 4615	162	35	1	61.9	61.8	61.
	9.658 7163	617	9.709 2710	779		9.949 4453	162	34 33	2	123.8	123.6	123.
	9.658 7780	617	9.709 3488	770		9.949 4292	161 162	32	3	185.7	185.4	185
_	9.658 8396	617	9.709 4267	779		9.949 4130	162	31	4	247.6	247.2	246
0	9.658 9013	617	9.709 5045	778	0.290 4955	9.949 3968	162	30	5	309'5 371'4	370.8 309.0	308.
1	9.658 9630	616	9.709 5823		0.290 4177		161	29	7	433'3	432.6	431
	9.659 0246	616	9.709 6601	778		9.949 3645	162	28	8	495.2	494'4	493
_	9.659 0862	616	9.709 7379 9.709 8158	770		9.949 3483 9.949 3321	162	27 26	9	557°I	556.2	222.
-	9.659 2094	616	9.709 8935	1777	0.290 1065	9.949 3321	162	25				
-	9.659 2710	616	9.709 9713	778	0.290 0287	9.949 2997	162 162	24	_1.	616	615	614
	9.659 3326	616	9.710 0491		0.289 9509	9.949 2835	162	23	1	61.6	61.2	61.
	9.659 3942	615	9.710 1269	777		9.949 2673	162	22	2	123'2	123.0	122
_	9.659 4557	616	9.710 2046	778	0.289 7954	9.949 2511	162	21	3	184'8	184'5	184.
	9.659 5173	615	9.710 2824	777	0.289 7176	9.949 2349	162	20	5	308.0	307.2	307
	9.659 5788	615	9.710 3601	778		9.949 2187	162	19	6	369.6	369.0	
3	9.659 6403	615	9.710 4379	777		9.949 2025 9.949 1862	163	18 17	7	431'2	430'5	429
4	9.659 7633	615	9.710 5933	777		9.949 1700	162	16	8	492.8	492'0	
15	9.659 8248	615	9.710 6710	1 277	0.289 3290	9.949 1538	162 162	15	9]	554 4	553.5	552
16	9.659 8863	615	9.710 7487		0.289 2513	9.949 1376	162	14	l			
8	9.659 9478 9.660 0093	615	9.710 8264 9.710 9041		0.289 1736	9.949 1214 9.949 1051	163	13				
19	9.660 0707	614	9.710 9818			9.949 0889	162	I 2 I I				
	9.660 1321	614	9.711 0595		0.288 9405		162	10	Ιı	161	162	163
51	9.660 1936	615	9.711 1371	. 770	0.288 8620	9.949 0564	163	_		16.1	16.5	16
52	9.660 2550	614	9.711 2148	777	0.288 7852	9.949 0504	162	8	2	32.2	32.4	32
	9.660 3164	614 614	9.711 2925	777	0.288 7075	9.949 0239	163 162	7	3	48.3	48.6	48
	9.660 3778	614	9.711 3701	776	0.288 6299	9.949 0077	163	6	4	64.4	64.8	
	9.660 4392	613	9.711 4477	777	0.288 5523	9.948 9914	162	5	5	80.2	81.0	81
	9.660 5005	614	9.711 5254	776	0.288 2050	9.948 9752 9.948 9589	163	4	6	96.6	97.2	97
58	9.660 6232	613	9.711 6806	1770	0.288 3104	9.948 9427	162	3	7 8	112.4	113.4	114
	9.660 6846	014	9.711 7582	170	0.288 2418	9.948 9264	163	1	9	144.9	145.8	
-	9.660 7459	613	9.711 8358		0.288 1642		163	-0	^'			
_	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				
	Cos.											

			1	49	112							
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					1
لحصا	9.660 7459	6	9.711 8358	776	0.288 1642		162	60	_ _	776	775	774
<u> </u>	9.660 8072	613	9.711 9134	776		9.948 8939	i63	59	1	77.6	77.5	
2	9.660 8685	613	9.711 9909	776		9.948 8776 9.948 8613	163		3	155.5	232.5	
1	9.660 9298 9.660 9911	613	9.712 0685 9.712 1461	776	0.287 8539	9.948 8450	163	56	4	310.4	310.0	
5	9.661 0524	613	9.712 2236	775	0.287 7764	9.948 8288	162 163	55	5	388.0	387.5	387.0
6	9.661 1136	612	9.712 3012	776	0.287 6988	9.948 8125	163	54	6	465.6	465.0	
	9.661 1749	612	9.712 3787	775	0.287 5438	9.948 7962 9.948 7799	163	53 52	7 8	543°2	542°5	
8	9.661 2361 9.661 2974	613	9.712 4562 9.712 5337	775		9.948 7636	163	51	9	698.4		1 1
9 10	9.661 3586	612	9.712 6112	775	0.287 3888		163	50				
11	9.661 4198	612	9.712 6887	775	0.287 3113	9.948 7310	163 163	49	1	773	772	771
12	9.661 4810	612	9.712 7662	775	0.287 2338	9.948 7147	163	48	1	77:3	77.2	77'1
13	9.661 5422	611	9.712 8437	775	0.287 1563	9.948 6984	163	47	2	154.6		
14	9.661 6033	612	9.712 9212 9.712 9987	775	0.287 0788	9.948 6821 9.948 6658	163	46 45	3	300.5	308.8	
15 16	9.661 6645 9.661 7257	612	9.713 0761	774	0.286 9239	9.948 6495	163	44	5	386.2	386.0	385.2
	9.661 7868	611	9.713 1536	775	0.286 8464	9.948 6332	163	43	6	463.8	463.2	462.6
18	9.661 8479	611	9.713 2311	774		9.948 6169 9.948 6006	163	42	7	541'1	540.4	
19	9.661 9090	612	9.713 3085	774	0.286 6915		164	41	8	618.4		
20	9.661 9702	610	9.713 3859	774	0.286 5367		163	<u>40</u> 39	"	-73 /	, -74 C	1 -30 3
21	9.662 0312	611	9.713 4633 9.713 5408	775	0.286 4502	9.948 5516	163	38	ŀ		•	į
11	9.662 1534	611	9.713 6182	774	0.286 3818	9.948 5352	164	37	l			Ì
24	9.662 2145	610	9.713 6956	774 774	0.286 3044	9.948 5189	163	36	1	613	612	611
	9.662 2755	611	9.713 7730	773	0.286 2270	9.948 5026 9.948 4862	164	35 34	1	61.3	61.3	61.1
26	9.662 3366 9.662 3976	610	9.713 8503 9.713 9277	774	0.286 0723	9.948 4699	163	33	2	122.6	122.4	
27 28	9.662 4586	610	9.714 0051	774	0.285 9949		164	32	3	183.0	183.6 244.8	
29	9.662 5196	610	9.714 0824	773		9.948 4372	164	31	4	245°2	306.0	
30	9.662 5806	610	9.714 1598	773		9.948 4208	163	30	6	367.8	367.2	366·6
31	9.662 6416	610	9.714 2371	774	0.285 7629		164	29 28	7	429'1	428.4	
32	9.662 7026	610	9.714 3145	773	0.285 6855 0.285 6082	9.948 3881 9.948 3718	163	27	8	490'4 551'7		
33 34	9.662 7636 9.662 8245	609	9.714 3918 9.714 4691	773	0.285 5309	9.948 3554	164 164	26	ופן	33. /	3500	1 347 7
	9.662 8855	610 600	9.714 5464	773	0.285 4536	9.948 3390	163	25	lт	609	608	607
36	9.662 9464	609	9.714 6237	773	0.285 3763	9.948 3227 9.948 3063	164	24 23	1	60.9	60.8	
37	9.663 0073	609	9.714 7010 9.714 7783	773	0.285 2217	9.948 2899	164	22	2	121.8	121.6	121'4
38 39	9.663 0682 9.663 1292	610	9.714 8556	773	0.285 1444	9.948 2735	164	21	3	182.7	182.4	182'1
40	9.663 1900	608	9.714 9329	773	0.285 0671	9.948 2572	163	20	4	243.6	304.0	
41	9.663 2509	609	9.715 0101	772		9.948 2408	164	19	5	365.4		
42	9.663 3118	609 609	9.715 0874	773	0.284 9126		164	18	7	426.3	425.6	424.9
43	9.663 3727	608	9.715 1647	772	0.284 8353	9.948 2 080 9.948 1916	164	17 16	8	487.2	486.4	
44	9.663 4335 9.663 4943	608	9.715 2419 9.715 3191	772	0.284 6809	9.948 1752	164 164	1	9	548.1	547.2	546.3
46	9.663 5552	609 608	9.715 3964	773	0.284 6036	9.948 1588	164	14	l			I
47	9.663 6160	608	9.715 4736	772	10.204 3204	9.948 1424	164	13 12				4
	9.663 6768	608		772	0.284 3720	9.948 1260 9.948 1096	164	11	l			ſ
49	9.663 7376	608	9.715 7052	772		9.948 0932	164	10		1	63 1	164
	9.663 7984 9.663 8591	607	9.715 7824	772		9.948 0768	164	9	-	1 1	6.3	6.4
51 52	9.663 9199	608	9.715 8595	771	0.284 1405	9.948 0604	164 165	8		2 3	2.6	32.8
53	9.663 9806	607 608	9.715 9367	772	0.284 0633	9.948 0439	164	7		ر ا ۲		19 ^{.2}
54	9.664 0414	607	19.710 0139	771		9.948 0275 9.948 0111	164	6				320
	9.664 1021	607		772		9.948 0111	164	4	l		7.8	98·4
56 57	9.664 1628 9.664 2235	607	0 716 2453	771		9.947 9782	165 164	ادا			. ,	14.8
58	9.664 2842	607 607	9.716 3224	771		9.947 9618	164	4	1			31.5
59	9.664 3449	607	9.716 3996	771	0.283 6004		165			9 14	0 7 12	17.6
60	9.664 4056		9.716 4767			9.947 9289		١				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				
			4	^h 10	m.							

			14	50	m							
5.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.664 4056	600	9.716 4767		0.283 5233	9.947 9289	.6.	60	1	770	769	768
1	9.664 4663	606	9.716 5538	771		9.947 9125	164	59	1	77.0	76.0	76.8
2	9.664 5269	607	9.716 6309	771	0.283 3691	9.947 8960	164	58	2	154.0	153.8	153.6
	9.664 5876	606	9.716 7080	77 I 77 I		9.947 8796	165	57	3	231.0	230'7	230'4
- 7	9.664 6482	606	9.716 7851	770		9.947 8631	164	56	4	308.0	307.6	
-	9.664 7088	606	9.716 8621	771	0.283 1379	9.947 8467	165	55	5	385.0	384.2	
	9.664 7694	606	9.716 9392 9.717 0163	771	0.282 9837	9.947 8302 9.947 8138	164	54	7	462.0	461.4 538.3	460°8
	9.664 8906	606	9.717 0933	770	0.282 9067		165	53 52	8	919.0		
	9.664 9512	606	9.717 1704	771	0.282 8296		165	51	9	693.0		691'2
10	9.665 0118	606	9.717 2474	770	0.282 7526	9.947 7644	164	50			-	
-	9.665 0723	605	9.717 3244	770	0.282 6756	9.947 7479	165	49		1 7	67 7	66
	9.665 1329	606	9.717 4014	770	0.282 5986		165 165	48	-			76.6
	9.665 1934	605	9.717 4785	77 I 770	0.282 5215		164	47				53 [.] 2
	9.665 2539	605	9.717 5555	770	0.282 4445		165	46	l			29.8
	9.665 3144 9.665 3749	605	9.717 5325	769	0.282 3675	9.947 6820 9.947 6655	165	45				06.4
	9.665 4354	605	9.717 7094	770	0.282 2136	9.947 6655 9.947 6490	165	44 43	ŀ	- 1		83.0
	9.665 4959	605	9.717 8634	770		9.947 6325	165	42				36·2
	9.665 5564	605	9.717 9404	770 769	0.282 0596	9.947 6160	165	41				12.8
20	9.665 6168		9.718 0173		0.281 9827	9.947 5995		40				89.4
21	9.665 6773	605	9.718 0943	770	0.281 9057	9.947 5830	165	39				
22	9.665 7377	605	9.718 1712	769 770	0.281 8288	9.947 5665	165	38				
-	9.665 7982	604	9.718 2482	769	0.281 7518	9.947 5500	165	37				
	9.665 8586	604	9.718 3251	769	0.281 6749	9.947 5335	165	36	1	606	605	604
	9.665 9794	604	9.718 4020 9.718 4789	769	0.281 5980	9.947 5170 9.947 5005	165	35	1	60.6	60.2	60'4
	9.666 0398	604	9.718 5558	769	0.281 4442	9.947 4840	165	34 33	2	121.5	121.0	120.8
	9.666 1001	603	9.718 6327	769 769	0.281 3673	9.947 4674	166	32	3	181.8	181.2	181.5
29	9.666 1605	604	9.718 7096	769	0.281 2904	9.947 4509	165	31	4	242'4	242'0	241'6
30	9.666 2209	604	9.718 7865	769	0.281 2135	9.947 4344	1 -	30	5	363.6	302°5	362'4
31	9.666 2812	603	9.718 8634	768	0.281 1366	9.947 4179	165	29	7	424.5	423.2	422.8
	9.666 3415	604	9.718 9402	769	0.281 0598	9.947 4013	165	28	8	484.8	484.0	483.2
	9.666 4019	603	9.719 0171	768	0.280 9829	9.947 3848	166	27	9	545'4	544.2	543.6
	9.666 4622	603	9.719 0939	769	0.280 9061 0.280 8292	9.947 3682	165	26				
	9.666 5828	603	9.719 1708	768	0.280 7524	9.947 3352	165	25 24	1	603	602	601
	9,666 6430	602	9.719 3244	768 769	0.280 6756	9.947 3186	166	23	1	60.3	60.5	60.1
	9.666 7033	603	9.719 4013	768	0.280 5987	9.947 3021	166	22	2	120.6	120'4	120.5
39	9.666 7636	602	9.719 4781	768	0.280 5219	9.947 2855	166	21	3	180.0	180.6	180.3
40	9.666 8238	602	9.719 5549	768	0.280 4451	9.947 2689	165	20	4	241'2 301'5	240 [.] 8	240'4
	9.666 8840	603	9.719 6317	767	0.280 3683	9.947 2524	166	19	5	361.8	361.5	300'5
20.0	9.666 9443	602	9.719 7084	768	0.280 2916		165	18	7	422'1	421.4	420'7
	9.667 0045	602	9.719 7852 9.719 8620	768	0.280 2148	9.947 2193 9.947 2027	166	17	8	482'4	481.6	480 8
	9.667 0647	602	9.719 9388	768	0.280 1380	9.947 2027	166	16 15	9	542.7	541.8	540'5
46	9.667 1851		0.720	767	0.279 9845	9.947 1695	166		Ī			
47	9.667 2452	601	9.720 0923	768 767	0.279 9077	9.947 1530	165 166	13				
48	9.667 3054	602	9.720 1090	767		9.947 1364	166	12				
49 50	9.667 3656	601	9.720 2457	768	0.279 7543	9.947 1198	166	11	١.			
50	9.667 4257	601	9.720 3225	767	0.279 6775	9.947 1032	166	10		165	166	167
1	9.667 4858	601	9.720 3992	767	0.279 6008		166	9	1	16.2	16.6	16.7
2	9.667 5459	602	9.720 4759	767	0.279 5241		166	8	2	33.0	33.5	33.4
3	9.667 6661 9.667 6662		0.720 5520	767		9.947 0534	165	7 6	3	49°5 66°0	49 ' 8	50.1
	9.667 7262		9.720 6293 9.720 7060	767		9.947 0369 9.947 0202	167	ا و	4	82.2	83.0	83'5
.6	9.667 7863	601	9.720 7827	767		9.947 0036	166		5 6	99.0	99.6	100.5
7	9.667 8464	601	9.720 8593	766 767	0.279 1407	9.946 9870	166 166	2	7	115.2	116.5	116.
8	9.667 9064	601	9.720 9300	707 767	0.279 0640	9.946 9704	166	2	8	132.0	132.8	133.6
9	9.667 9665	600	9.721 0127	766	0.278 9873	9.946 9538	166		9	148.2	149'4	150.3
0	9.668 0265	000	9.721 0893	100	0.278 9107	9.946 9372	1.00	0	l			
1	Cos.	d,	Cotang.	d. c.	Tang.	Sin.	d.	s.				
		_		» 9				_				

			1	51	nı								
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.						
0	9.668 0265	600	9.721 0893	767	0.278 9107	9.946 937:	166	60	_ _	766	76	5	764
1	9.668 0865	601	9.721 1660	766	0.278 8340		166	59	1	76.6		5.2	76.
	9.668 1466	600	9.721 2426	766	0.278 7574		167	58	2	153'2			152
3	9.668 2066	599	9.721 3192	766	0.278 6808			57	3	229.8			305
4	9.668 2665	600	9.721 3958 9.721 4724	766	0.278 6042 0.278 5276		100	56 55	5	383.0	-		382
5	9.668 3865	600	9.721 5490	766	0.278 4510			54	6	459'6		- 1	458
7	9.668 4465	600	9.721 6256	766 766	0.278 3744			22	7	536.2			534
8	9.668 5064	599	9.721 7022	766	0.278 2978		167	52	8	612.8		2'0	
9	9.668 5663	599 600	9.721 7788	766	0.278 2212	9.946 787	166	51	9	689'4	688	8.2	687
0	9.668 6263	599	9.721 8554	765	0.278 1446	9.946 770	167	50					
I	9.668 6862	599	9.721 9319	766	0,278 0681			49	-	_	63	_	62
	9.668 7461 9.668 8060	599	9.722 0085	766	The state of the s	9.946 737	101	48			76.3		6.5
13	9.668 8659	599	9.722 0851 9.722 1616	765	0.277 9149 0.277 8384		100	47			28.9		8.6
15	9.668 9258	599	9.722 2381	765	0.277 7619			45		-	05.5		4.8
16	9.668 9856	598	9.722 3147	765	0.277 6853	9.946 671	167	44			81.2		Sio
17	9.669 0455	599 598	9.722 3912	765		9.946 654	167	43			57.8	45	7.2
18	9.669 1053	599	9.722 4677	765	0.277 5323		166	42			34.1		33'4
19	9.669 1652	598	9.722 5442	765	0.277 4558		107	41			86.7		9.6
20	9.669 2250	598	9.722 6207	765	0.277 3793	9.946 604	107	40	U	9 6	30 /	00	35.8
21	9.669 2848	598	9.722 6972	765	0.277 3028	9.946 587	107	39 38					
22	9.669 3446	598	9.722 7737 9.722 8501	764		9.946 554	10/	27					
24	9.669 4642	598	9.722 9266	765		9.946 537		36	1	500	59	8 1	50'
25	9.669 5239	597 598	9.723 0031	765	0.276 9969	9.946 520	167	35		599		_	597
26	9.669 5837	597	9.723 0795	765	0.276 9205		167	34	2	119.8		9.8	119
27	9.669 6434	598	9.723 1560	764	0.276 8440			33	3	1797	100	9.4	179
28	9.669 7032 9.669 7629	597	9.723 2324 9.723 3088	764	0.276 7676	The second secon	110/	32 31	4	239'6		-	238
30	9.669 8226	597	9.723 3852	764	0.276 6148	9.946 437	107	30	5	299'5		9.0	298
31	9.669 8823	597	9.723 4617	765	0.276 5383		- 107	29	6	359'4	35	8.8	358
32	9.669 9420	597	9.723 5381	764	0.276 4619		1107	28	7 8	479'3			417
33	9.670 0017	597	9.723 6145	764	0.276 3855	9.946 387	168	27	9	539'1		8.2	537
34	9.670 0614	597 597	9.723 6909	763		9.946 370	167	26					
35	9.670 1211	596	9.723 7672	764	0.276 2328		10/	25 24	1	596	1 59	5 1	594
36 37	9.670 1807	597	9.723 8436 9.723 9200	764	0.276 0800		107	23	I	59.6	-	9.2	59
38	9.670 3000	596	9.723 9963	763	0.276 0037	9.946 303	1107	22	2	119'2		9.0	118
39	9.670 3596	596	9.724 0727	764	0.275 9273	9.946 286	167	2 I	3	178.8	1	8.2	178
40	9.670 4192	596	9.724 1490	763	0.275 8510	9.946 270	167	20	4	238.4		8.0	237
41	9.670 4788	596 596	9.724 2254	764	0.275 7746	9.946 253	168	19	5	357.6		7.0	356
42	9.670 5384	596	9.724 3017	763		9.946 236	167	18	7	417.5			415
43	9.670 5980	596	9.724 3780	763		9.946 220	168	17	8	476.8		6.0	475
44	9.670 6576		9.724 4543	763	0.275 5457 0.275 4694	9.946 203	101	16	9	536.4		5'5	534
16	9.670 7171	596	9.724 4543 9.724 5306 9.724 6069	763	0 275 2021	9.946 169	100	_					
47	9.670 8362	595	9.724 6832	763	0.275 3168	9.946 153	167	1 2					
48	9.670 8958	596	9.724 7595	763 763	0.275 2405	9.946 136	167	12					
49	9.670 9553	595 595	9.724 8358	763	0.2/5 1042	9.946 119	168	11					
50	9.671 0148		9.724 9121	762	0.275 0879		168	10	_		66	_	67_
51	9.671 0743	595 595	9.724 9883	763	0.275 0117		167	9			6.6		6.4
52	9.671 1338	594	9.725 0646	762	0.274 9354	9.946 069	168	8			3.2		3.4
53	9.671 1932	595	9.725 1408	763	0.274 8592		100	7 6			6.4		6.8
54 55	9.671 2527 9.671 3122	595	9.725 2171 9.725 2933	762	0.274 7029		107	5			3.0		3.2
56	9.671 3716	594	9.725 3695	762	0.274 6305	9.946 002	1 768	4		6 9	9.6	100	0.5
57	9.671 4310	594	9.725 4458	763 762	0.274 5542	9.945 985	3 168	3	l i	7 11	6.5	110	
58	9.671 4905	595 594	9.725 5220	762	0.274 4780	9.945 968	168	2			2.8	13	
59	9.671 5499	594	9.725 5982	762	0.274 4016		168	_1		9 14	9'4	150	3
60	9.671 6093		9.725 6744		O.274 3256 Tang.			0					
_	Cos.	d.	Cotang.	d. c.	Tang	Sin.	d.	S.					

			1'	52	กเ	,								
5,	Sin.	d.	Tang.	d. c.	Cota	ng.	Co	s.	d.					•
0	9.671 6093	594	9.725 6744	762	0.274	3256	9.945	9349	168	60		761	760	759
1.	9.671 6687	594	9.725 7506	761	0.274				168	59	I	76.1	76.0	75'9
2	9.671 7281	593	9.725 8267	762	0.274			9013 8845	168	58	2	152.3 128.3	152.0	, -
3	9.671 7874	594	9.725 9791	762	0.274				168	57 56	3	304'4	304.0	1
5	9.671 9062	594	9.726 0552	761 762	0.273	9448	9.945	8509	168 168	55	5	380.2	380.0	
6	9.671 9655	593 593	9.726 1314	761	0.273				168	54	6	456.6	456.0	1
8	9.672 0248	593	9.726 2075 9.726 2837	762	0.273		9.945		168	53	7 8	532'7 608'8	608.0	
9	9.672 1435	594	9.726 3598	761	0.273		9.945	7837	168	52 51	9	684.9	1	683.1
10	9.672 2028	593	9.726 4359	761	0.273	5641	9.945		168	50	ĺ .			,
11	9.672 2620	592	9.726 5120	761 761	0.273	4880		7500	169 168	49	ŀ	1 7	58 3	757
12	9.672 3213	593 593	9.726 5881	761		4119	9.945		168	48	-		75.8	75'7
13	9.672 3806	593	9.726 6642 9.726 7403	761			9.945		169	47				51.4
15	9.672 4399	592	9.726 8164	761	0.273		9.945 9.945	6827	168	46 45		- 1		27.1
16	9.672 5583	592	9.726 8925	761 760	0.273	1075	9.945		168 169	44			- 1 -	02.8 78.5
17	9.672 6176	593 592	9.726 9685	761	0.273		9.945		168	43		6 4	4.8 4	54.5
18	9.672 6768	592	9.727 0446	761	0.272	9554	9.945 9.945		169	42	Ī			29'9
20	9.672 7952	592	9.727 1207	760	0.272		9.945	5985	168	41	l			81.3 81.9
21	9.672 8544	592	9.727 1967	760	0.272		9.945	5816	169	<u>40</u> 39	ĺ	7 1 00		~· 3
22	9.672 9135	591	9.727 3488	761	0.272		9.945		168	38				
23	9.672 9727	592 592	9.727 4248	760 760	0.272		9.945		169	37				•
24	9.673 0319	591	9.727 5008	760	0.272				168	36	ı	593	592	591
25 26	9.673 0910	591	9.727 5768 9.727 6528	760	0.272		9.945 9.945		169	35	1	59.3		
27	9.673 2093	592	9.727 7288	760	0 272		9.945		169	34 33	2	118.6	118.4	118.5
28	9.673 2684	591	9.727 8048	760 760	0.272				169	32	3	177.9		
29	9.673 3275	591	9.727 8808	760	0.272		9.945		169	31	5	237.2		
30	9.673 3866	591	9.727 9568	759	0.272		9.945	4298	169	30	6	355.8		1
31	9.673 4457	590	9.728 0327 9.728 1087	760	0.271		9.945		169	29	7	415'1		
33	9.673 5047 9.673 5638	591	9.728 1846	759	0.271		9.945	3960 3792	168	28 27	8	474.4		472.8
34	9.673 6228	590	9.728 2606	760	0.271	7394	9.945	3623	169 169	26	9	533'7	532.8	231.9
35	9.673 6819	590	9.728 3365	759 759	0.271		9.945	3454	169	25	١,	590	589	588
36	9.673 7409	590	9.728 4124 9.728 4884	760	0.271		9.945	3285 3116	169	24 23	_ I	29.0		
37 38	9.673 8589	590	9.728 5643	759	0.271	•	9.945	2947	169	22	2	118.0		
39	9.673 9179	590	9.728 6402	759	0.271	3598	9.945		169	2 I	3	177.0		
40	9.673 9769	590	9.728 7161	759	0.271	2839	9.945	2609	170	20	4	236.0	1	
41	9.674 0359	590 590	9.728 7920	759 759			9.945	2439	169	19	5	295°0		1
42	9.674 0949	589	9.728 8679	758	0.271				169	18	7	413.0		
44	9.674 1538	590	9.728 9437 9.729 0196	759	0.271			1932	169	17	8	472.0	471.5	470'4
45	9.674 2717	589	9.729 0955	759	0.270	9045	9.945		169	15	9	231.0	230.1	229.3
46	9.674 3306	589	9.729 1713	758 759	0.270	8287	9.945	1593	170	14				
47	9.674 3896	589	9.729 2472	758	0.270				169	13	ŀ			
48 49	9.674 4485 9.674 5074	589	9.729 3230 9.729 3988	758	0.270				170	12 11				
50	9.674 5663	589	9.729 4747	759	0.270				169	10	۱ ا	168	169	170
51	9.674 6251	588	9.729 5505	758	0.270				169	9	1	16.8	16.9	
	9.674 6840	589 589	9.729 6263	758	0.270				170	8	2	33.6	33 [.] 8	34'0
13		588	9.729 7021	758 758	0.270				170	7	3	50.4	50.4	
14	9.674 8017 9.674 8605	588	9.729 7779 9.729 8537	758	0.270	1462	9.945	0238	169	6 5	4	67.2 84.0	67·6 84·5	68.0 85.0
6		580	9.729 9337	758	0.270				170	4	5	100.8	101'4	
7	9.674 9782	588 588	9.730 0052	757 758	0.269	9948	9.944	9729	170 169	3	78	117.6	118.3	119.0
8	9.675 0370	588	9.730 0810	758	0.269	9190	9.944	9560	170	2		134.4		
19	9.675 0958	588	9.730 1568	757	0.269				170		9	151.5	152.1	153.0
0	The second second		9.730 2325		0.269 Tan	CONTRACTOR !	9.944 Si	-	d	0				
1	Cos.	d.		d. c.	Tan	6.	51		d.	5.				
			4	h 7"										
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	Sim 1	4	Tone	d =	M ,	r	-	4 1	_				
8.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.		d.	2				
의	9.675 1546	587	9.730 2325	758	0.269 7675			169	60		758	75	
1	9.675 2133	588	9.730 3083	757	0.269 6917	9.944 9	051	17Ó	59	1	75.8		5'7 7
2	9.675 2721	587	9.730 3840 9.730 4597	757	0,269 6160		001	170	58	2	121.6	151	
3	9.675 3308 9.675 3896	588	9.730 5354	757	0.269 4646	9.944 8	242	170	57	3	227'4	302	
5	9.675 4483	587	9.730 6112	758	0.269 3888		272	169	55	5	303.5		
6	9.675 5070	587	9.730 6869	757	0.269 3131	9.944 8	202	170	54	6	454.8		
7	9.675 5657	587 588	9.730 7626	757	0.269 2374		022	170	53	7	530.6	1000	
8	9.675 6245	586	9.730 8383	757	0.269 1617	9.944 7	862	170	52	8	606.4		
9	9.675 6831	587	9.730 9139	750	0.269 0861	9.944 7	uazı	170 170	51	9	682'2	681	
10	9.675 7418	587	9.730 9896	757	0.269 0104	9.944 7.	5221		50				
11	9.675 8005	587	9.731 0653	757	0.268 9347		252	170	49		1 7	55	754
12	9.675 8592	586	9.731 1410	757	0.268 8590	9.944 7	182	170	48	1	200	5.2	75'4
13	9.675 9178	586	9.731 2166	756 757	0.268 7834	9.944 7	012 L	170 170	47			1.0	150.8
14	9.675 9764	587	9.731 2923	756	0.268 7077	9.944 6	042	170	46			6.2	226.2
15	9.676 0351	586	9.731 3679	757	0.268 6321	9.944 6	072	171	45			2.0	301.6
16	9.676 0937	586	9.731 4436	756	0.268 5564	9.944 6	501	170	44		The second second	7'5	377'0
17 18	9.676 1523	586	9.731 5192	756	0.268 4808			170	43	-1	6 45	3.0	452.4
19	9.676 2109 9.676 2695	586	9.731 5948 9.731 6704	756	0.268 4052			170	42			8.2	527.8
		586		756				170	41	1 2		4.0	603'2
20	9.676 3281	585	9.731 7460	756	0.268 2540		821	171	40		9 67	9.2	678.6
21	9.676 3866	586	9.731 8216	756	0.268 1784		650	170	39	1			
22	9.676 4452	585	9.731 8972	756	0.268 1028	9.944 5	400	171	38				
23 24	9.676 5623	586	9.731 9728 9.732 0484	756	0.268 0272	9-944 5		170	37	ll.			
25	9.676 6208	585	9.732 1239	755	0.267 8761		060	170	36		587	58	
26	9.676 6793	585	9.732 1995	756	0.267 8005	9.944 4	708	171	35	1	58.7	58	3.6 58
27	9.676 7378	585	9.732 2751	756	0.267 7249		628	170	34	2	117'4	117	7'2 117
28	9.676 7963	585 585	9.732 3506	755 756	0.267 6494		457	171	32	3	176.1	175	5.8 175
29	9.676 8548	585	9.732 4262		0.267 5738	9.944 4	20 7 I	170	31	4	234.8	234	100
30	9.676 9133		9.732 5017	755	0.267 4983	9.944 4	1011	171	30	5	293'5	29	
31	9.676 9718	585	9.732 5772	755	0.267 4228		045	171	29	6	352.5		
32	9.677 0302	584 585	9.732 6527	755	0.267 3473	9.944 3	775	170	28	8	469.6	468	
33	9.677 0887	584	9.732 7283	756 755	0.267 2717		604	171 171	27	9	528.3		14 526
34	9.677 1471	584	9.732 8038	755	0.267 1962	9.944 3	433	170	26	21	33	1 3-1	41 34
35	9.677 2055	585	9.732 8793	754	0.267 1207	9.944 3		171	25	1	.0.		. 1 .0
36	9.677 2640	584	9.732 9547	755	0.267 0453	9.944 3	092	171	24		584	_58	
37	9.677 3224	584	9.733 0302	755	0.266 9698		921	171	23	1	58.4		3 58
38 39	9.677 3808	583	9.733 1057 9.733 1812	755	0.266 8943	9.944 2	Α Ι	170	22	2	116.8	116	with the state of
	9.677 4391	584		754		9.944 2		171	21	3	233.6 233.6	233	7 - 1
40	9.677 4975	584	9.733 2566	755	0.266 7434	9.944 2		171	20	5	292.0		
41	9.677 5559	583	9.733 3321	754	0.266 6679		238	171	19	6	350'4	349	
42	9.677 6142 9.677 6726	584	9.733 4075	755	0.266 5925		007	171	18	7	408.8	408	
43 44	9.677 6726 9.677 7309	583	9.733 4830 9.733 5584	754	0.266 5170	9.944 1	725	171	17	8	467.2	466	
	9.677 7892	583	9.733 6338	754	0.266 3662		554	171	16	9	525.6	524	17 523
	9.677 8476	584	9.733 7093	755	0.266 2907	9.944	282	171	15				
47	9.677 9059	583 583	9.733 7847	754	0.266 2153		212	171	13				
48	9.677 9642	582	9.733 8601	754	0.266 1399	9.944 10	041	171	12				
	9.678 0224	583	9·733 9355	754 754	0.266 0645	9.944 0		171	rr				
50	9.678 0807		9.734 0109	754	0.265 9891	9.944 0	OQBI	172	10		1 1	70 1	171
	9.678 1390	583	9.734 0863	754	0.265 9137	9.944 0	5271	171	9		-	7.0	17.1
52	9.678 1972	582 583		753	0.265 8384	9.944 0	356	171	8			4'0	34'2
53	9.678 2555	582	9.734 2370	754	0.265 7630	9.944 0	185	171	7			1,0	51.3
54	9.678 3137	582	9.734 3124	754 753	0.265 6876	9.944 00	013	172 171	6		1 6	8.0	68.4
55	9.678 3719	582	9.734 3877	754	0.265 6123	9.943 9	842	.,. .,.	5	1	5 8	5.0	85.5
561	9.678 4301	583	9.734 4631	753	0.265 5369	9.943 90	671	172	4	(5 10	2.0	102.0
	9.678 4884	581	9.734 5384	753	0.265 4616	9.943 94	4991	171	3	1		0.0	1197
58	9.678 5465	582	19./34 013/1	754	0.265 3863	9.943 9.	3201	171	2			6.0	136.8
	9.678 6047	582	9.734 6891	753	0.265 3109		15/	172	1		1 15	3.0	153.9
00	9.678 6629		9.734 7644 Cotang.		0.265 2356		9851	!	0				
	Cos.	d.		d. c.	Tang.	Sin.		d. I	s.				

_			1	54								
5.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.678 6629	582	9.734 7644	752	0.265 2356	9.943 8985	171	60	_ _	753	75	2 751
1	9.678 7211	581	9.734 8397	753 753		9.943 8814	172	59	1	75'3	75	75'1
2	9.678 7792	582	9.734 9150	753		9.943 8642	172	58		150.6	150	
3	9.678 8374 9.678 8955	581	9.734 9903 9.735 0656	753	0.264 0344	9.943 8470 9.943 82 99	171	57 56	~	301.5 301.6	300	
5	9.678 9536	581	9.735 1409	753	0.264 8591	9.943 8127	172	55		376.5	370	
6	9.679 0117	581	9.735 2162	753	0.264 7838	9.943 7956	171 172	54		451.8	45	
7	9.679 0698	581	9.735 2914	752 753	0.264 7086	9.943 7784	172	53		527'1	520	54 5257
8	9.679 1279 9.679 1860	581	9.735 3667	753		9.943 7612	171	52		602.4	601	
10		581	9.735 4420	752	0.264 5580		172	51	9	677.7	676	675.0
11	9.679 2441	580	9.735 5172	752	0.264 4076	9.943 7269	172	50		1 -	1	
12	9.679 3602	581	9.735 5924 9.735 6677	753		9.943 7097 9.943 6925	172	49 48	-	_	50	749
13	9.679 4182	580 581		752		9.943 6753	172 172	47	1		2.0	74'9
14	9.679 4763	580	9.735 8181	752 752	0.264 1819	9.943 6581	172	46	3		5.0	224'7
15	9.679 5343	580	9.735 8933	752		9.943 6409	171	45	4		0.0	299.6
16	9.679 5923	580	9.735 9685 9.736 0437	752		9.943 62 38 9.943 6066	172	44	5		2.0	374'5
18	9.679 7083	580 580		752		9.943 5894	172	43 42	1	1.0	0.0	449'4
19	9.679 7663	580	0 726 1041	752	0.263 8059	9.943 5722	172	41	8		0.0	524'3 599'2
20	9.679 8243	579	9.736 2693	752	0.263 7307	9.943 5549	172	40	9		5.0	674'1
21	9.679 8822	580	2 7 26 2 4 4 7	752	0.263 6555	9.943 5377	172	39				
22	9.679 9402	579	9.730 4190	751 752	0.263 5804	9.943 5205	172	38				
23	9.679 9981 9.680 0560	579	9.730 4948	751		9.943 5033	172	37				
24 25	9.680 1140	580	9.736 5699 9.736 6451	752		9.943 4861 9.943 4689	172	36 35		581	58	0 579
26	9.680 1719	579	9.736 7202	751		9.943 4516	173	34	1	58.1	58	57'9
27	9.680 2298	5 79	9.736 7954	752 751	0.263 2046	9.943 4344	172	33		116.5	116	-
28	9.680 2877	578	9.736 8705	751		9:943 4172	172	32		174'3 232'4	232	
29	9.680 3455	579	9.736 9456	751	0.263 0544	9.943 4000	173	31		290.2	290	
30	9.680 4034	579	9.737 0207	751	0.262 9793	9.943 3827	172	30	~	348.6	348	347.4
31 32	9.680 4613 9.680 5191	578	9.737 0958 9.737 1709	751	0.262 9042	9.943 3655 9.943 3482	173	29 28		406.7	400	
33	9.680 5770	579		751	0,262 7540	9.943 3310	172	27		464 [.] 8 522 [.] 9	464	
34	9.680 6348	578 578	9.737 3211	751 750	0.262 6789	9.943 3138	172 173	26	9	522 9	32.	5.0 251.1
35	9.680 6926	578	9.737 3961	751			173	25	1			- 16
36	9.680 7504 9.680 8082	578	9.737 4/12	751		9.943 2792	172	24		578	_ 57	_
37 38	9.680 8660	578	9.737 5463 9.737 6213	750	0.262 3787	9.943 2620 9.943 2447	173	23 22	2	57.8	111	57 57 6
39	9.680 9238	578	9.737 6964	751	0.262 3036		172	21	3	173'4	17	
40	9.680 9816	578 578	9.737 7714	750	0.262 2286	9.943 2102	173	20	4	231'2	230	
41	9.681 0394		9.737 8464	750	0.262 1536	9.943 1929	173	19		289.0	288	-
42	9.681 0971	577 577	9.737 9214	750 751	0.262 0786	9.943 1757	173	18		346·8 404·6	340	
43	9.681 1548	578	9.737 9965	750	0.262 0035		173	17		462.4		1.6 460.8
44 45	9.681 2126 9.681 2703	577	9.738 0715 9.738 1465	750		9.943 1411 9.943 1238	173	16 15		520.2		9'3 518'4
46	9.681 3280	577	9.738 2215	750	0.261 7785	9.943 1065	173	14				
47	9.681 3857	577 577	9.738 2965	750	0.261 7035	9.943 0893	172	13				
	9.681 4434	577	9.738 3714	749 750	0.261 6286	9.943 0720	173					
<u>49</u>	9.681 5011	577	9.738 4464	750		9.943 0547	173	11		, -		4
50	9.681 5588	576	9.730 5214	749		9.943 0374	173	10	-	_	72	173
5 I	9.681 6164 9.681 6741	577	9.738 5903	750	0.201 4037	9.943 0201 9.943 0028	173	9	1		7.2	17'3
3	9.681 7317	576	0.738 7462	749	0.261 2538	9.943 0028	173	7	3		1.6	34.6
4	9.681 7894	577	9.738 8212	750	0.261 1788	9.942 9682	173	6	2	1 2	8.8	69.2
5	9.681 8470	576 576	0 728 8061	749 749	0.261 1039	9.942 9509	173 174	5		8	6.0	86.2
6	9.681 9046	576	9.730 9710	750	0.261 0290	9.942 9335	173	4			3.5	103.8
7	9.681 9622 9.682 0198	576	9.739 0400	749	0.200 9540	9.942 9162 9.942 8989	173	3	2		7.6	138.4
9	9.682 0774	576	0.730 1058	749	0.260 8042	9.942 8816	173	î			4.8	155.7
ó		575	9.739 2707	749		9.942 8643	173	0	<i>'</i>			
-	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.				
,				h 5								
			4	0								

これの事業の無数な変形を出ているがありなった。これでは、これがあたる大きの地ではありませんであるとなりになっていることになっている。

			1'	_				_				
S.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.682 1349		9.739 2707		0.260 7293	9.942 8643		60		749	748	747
1	9.682 1925	576	9.739 3456	749	0,260 6544	9.942 8469	174	59	1	74	9 74	8 74
2	9.682 2501	576	9.739 4205	749 748	0,260 5795	9.942 8296	173	58	2	149	8 149	
3	9.682 3076	575 575	9.739 4953	749	0.260 5047	9.942 8123	174	57	3	224	, i	
	9.682 3651	576	9.739 5702	749		9.942 7949	173	56	4	299.	1	, -
ı	9.682 4227	575	9.739 6451	748		9.942 7776	174	55	5	374		
	9.682 4802	575	9.739 7199	749	0,260 2801		173	54	6	449		
1	9.682 5377	575	9.739 7948	748		9.942 7429 9.942 7255	174	53	7 8	524.	-1 - 2	
3	9.682 5952 9.682 6526	574	9.739 8696 9.739 9444	748		9.942 7082	173	52 51	9	674.		
2		575		749	0.259 9807	9.942 6908	174		"	- / 4	-1 -/3	-1 -1-
2	9.682 7101	575	9.740 0193	748			173	<u>50</u>	l		 6	
!	9.682 7676	574	9.740 0941 9.740 1689	748		9.942 6735	174	49 48	-		746	745
1	9.682 8250 9.682 8825	575	9.740 1039	748	0.259 8311	9.942 6388	173	47		1 .	74.6	74`5
	9.682 9399	574	9.740 3185	748	0.259 6815		174	46	ŀ	- 1	223.8	149.0
!	9.682 9973	574	9.740 3933	748		9.942 6040	174	45		· 1 .	298.4	223·5 298·0
i	9.683 0548	575	9.740 4681	748		9.942 5866	174	44			373.0	372.2
ŀ	9.683 1122	574	9.740 5429	748	0.259 4571		173	43	l		147.6	447'0
ŀ	9.683 1696	574	9.740 6177	748	0.259 3823	9.942 5519	174 174	42		7 9	22.2	521.2
2	9.683 2269	573 574	9.740 6924	747 748	0.259 3076	9.942 5345	174	41			96.8	596.0
5	9.683 2843		9.740 7672		0.259 2328	9.942 5171		40			571.4	670.2
ī	9.683 3417	574	9.740 8419	747	0.259 1581	9.942 4997	174	39				
- 1	9.683 3990	573	9.740 9167	748 747	0.259 0833	9.942 4823	174 173	38				
3	9.683 4564	574 573	9.740 9914	748		9.942 4650	174	37				
	9.683 5137	573	9.741 0662	747		9.942 4476	174	36	1	. 575	574	573
	9.683 5710	574	9.741 1409	747		9.942 4302	174	35	1	57		
	9.683 6284	573	9.741 2156	747		9.942 4128	175	34	2	112.		
	9.683 6857	573	9.741 2903	747	0.258 7097		174	33	3	172		
	9.683 7430	572	9.741 3650	747	0.258 6350 0.258 5603		174	32	4	230.	٠, ١	
	9.683 8002	573	9.741 4397	747			174	31	5	287	5 287	·o 28 6 °
	9.683 8575	573	9.741 5144	747	0.258 4856	9.942 3431	174	30	6	345		
	9.683 9148	572	9.741 5891	747	0.258 4109		174	29	7	402	-, -	
	9.683 9720	573	9.741 6638 9.741 7384	746	0.258 3362	9.942 2908	175	28	8	460	1 :	-l -
	9.684 0293 9.684 0865	572	9.741 7304	747		9.942 2734	174	27 26	9	517.	5 516	·6 51 5 .
	9.684 1437	572	9.741 8878	747		9.942 2560	174	25				
	9.684 2010	573	9.741 9624	746		9.942 2386	174	24		572	57	570
	9.684 2582	572	9.742 0371	747	0.257 9629		175	23	1	57	2 57	1 57%
	9.684 3154	572	9.742 1117	746 746	0.257 8883	9.942 2037	174	22	2	114	4 114	1140
	9.684 3726	572	9.742 1863	746	0.257 8137	9.942 1862	175	2 I	3	171.		
	9.684 4297	571	9.742 2609		0.257 7391	9.942 1688	174	20	4	228		
	9.684 4869	572	9.742 3356	747	0.257 6644	9.942 1513	175	19	5	286.		
	9.684 5441	572	9.742 4102	746		9.942 1339	174	1 8		343.		
3	9.684 6012	571	9.742 4848	746 746		9.942 1164	175 174	17	7 8	400°	11	
1	9.684 6583	571 572	9.742 5594	746		9.942 0990	175	16	9	514.	8 513	
	9.684 7155	571	9.742 6340	745	0.257 3660		174	15	"	J-4	- 3-3) J-J-
	9.684 7726		9.742 7085	746	0.257 2915	9.942 0041	175	14				
7	9.684 8297	571	9.742 7031	746	0.257 2169		175	13				
	9.684 8868	571	9.742 8577 9.742 9322	745	0.257 1423 0.257 0678	9.942 0291	175	I 2 I I	ŀ			
-	9.684 9439	571	9.74- 93	746			174		ŀ	1	172 l	174
2	9.685 0010	570	9.743 0068	745		9.941 9942	175	10	-		173	174
	9.685 0580	571	9.743 0013	746	0.256 9187	9.941 9767	175	9 8	1	1	17.3	17'4
	9.685 1151			745	0.250 8441	9.941 9592	175			2	34.6	34·8 52·2
	9.685 1722	570	9.743 2304	745	0.256 6951	9.941 9417	175	7 6		- 1	51.9	69 [.] 6
4	9.685 2292 9.685 2862	570	2.773 3.77	746		9.941 9242	174	5			86.2	87°0
	9.685 3432	570	9.743 3793	745	0.256 5460	9.941 8893	175	4	l	- 1	03.8	104'4
7	9.685 4003	571	0742 5285	745		9.941 8718	175	3	l	7 1	21.1	121.8
8	9.685 4573	570		745	0.256 3970	9.941 8543	175	2		8 1	38.4	139.2
	9.685 5142	569	9.743 6775	745	0.256 3225	9.941 8368	175	1	l	9 1	55.7	156.6
91		570		745			175	1				
9	9.685 5712		19.743 7520		0.250 2460	9.941 8193		0				
9	9.685 5712 Cos.	d.	9.743 7520 Cotang.	d. c.		9.941 8193 Sin.	d.	s.				

				56										
	Sin.	d.	Tang,	d. c.	Cotang.	Co	s.	d.						
0		570	9.743 7520	745	0.256 2480	9.941	8193		60		7	14	74	3
1	9.685 6282	570	9.743 8265	745 744		9.941	8018	175	59		1 7	4.4	74	4.3
2	9.685 6852	569	9.743 9009	745	0.256 0991	9.941		175	58			8.8	148	8.6
_	9.685 7421	570	9.743 9754	745	0.256 0246		7667	175	57		- 1	3.5	22:	-
5	9.685 8560	569	9.744 0499 9.744 1243	744	0.255 9501			175	5 6			7.6 2.0	29	-
	9.685 9129	569	9.744 1987	744	0.255 8013			175	54		5 1 - 1	6.4	37 44	
7	9.685 9698	569	9.744 2732	745 744	0.255 7268			176	53	l		0.8	520	
	9.686 0267	569	9.744 3476	744	0.255 6524	9.941		175 175	52	l		5.5	594	
9	9.686 0836	569	9.744 4220	745	0.255 5780			176	51	l	9 66	9.6	668	8.7
-1	9.686 1405	569	9.744 4965	744	0.255 5035	9.941		175	50	l				
	9.686 1974	568	9.744 5709	744	0.255 4291	9.941		175	49	_	7-	12	74	I
	9.686 2542 9.686 3111	569	9.744 6453	744	0.255 3547	9.941	-	176	48		1 .	4.5	•	4°1
	9.686 3679	568	9.744 7197 9.744 7941	744	0.255 2803 0.255 2059	9.941	5914	175	47 46			8.4	148	
	9.686 4248	569 568	9.744 8685	744	0.255 1315			176	45	Ì	~ 1	2·6 6·8	222	
	9.686 4816	568	9.744 9428	743 744	0.255 0572	9.941		175	44			1.0	379	-
	9.686 5384	568	9.745 0172	744	0.254 9828	9.941	5212	176	43			5.2	444	-
	9.686 5952	568	9.745 0916	743	0.254 9084		5037	176	42	l	7 51	9.4	518	
9	9.686 6520	568	9.745 1659	744	0.254 8341	9.941		176	41	l		3.6	592	_
-1	9.686 7088	568	9.745 2403	743	0.254 7597	9.941	4685	175	<u>40</u>	l	9 66	7.8	666	0.0
	9.686 7656	568	9.745 3146	744	0.254 6854	9.941	4510	176	39	ŀ				
	9.686 8791	567	9.745 3890 9.745 4633	743	0.254 6110 0.254 5367	9.941	4334	176	38	l				
4	9.686 9359	568	9.745 5376	743	0.254 4624			176	37 36	١.		_		
	9.686 9926	567	9.745 6119	743	0.254 3881			175	35	_ .	569	56		56
	9.687 0493	568	9.745 6863	744	0.254 3137	9.941	3631	176	34	I	56.9	_	8.6	5
7	9.687 1061	567	9.745 7606	743	0.254 2394	9.941	3455	176	33	2	113.8	113		11
	9.687 1628 9.687 2195	567	9.745 8349	743	0.254 1651	9.941	3279	176	32	3	227.6	170 227	- 1	220
	9.687 2761	566	9.745 9092	742	0.254 0908	9.941		176	31	5	284.5	284		28
		567	9.745 9834	743	0.254 0166	9.941		176	30	6	341.4	340		34
	9.687 3328 9.687 3895	567	9.746 0577 9.746 1320	743	0.253 9423 0.253 8680	9.941 9.941		176	29	7	398.3	397	- 1	396
	9.687 4462	567	9.746 2063	743	0.253 7937			176	28 27	8	455.5	454		45.
	9.687 5028	566	9.746 2805	742	0.253 7195	9.941		176	26	9	512.1	511	21	511
5	9.687 5595	566	9.746 3548	743 742	0.253 6452		-	176	25	١,	-66		_ 1	
	9.687 6161	566	9.746 4290	742	0.253 5710	9.941		176	24		566	56		56
8	9.687 6727	566	9.746 5032	743	0.253 4968	9.941	1695	177	23	1	56.6	56		51
9	9.687 7293	566	9.746 5775 9.746 6517	742	0.253 4225 0.253 3483	9.94 I 9.94 I		176	22 21	3	113.5	113		160
ó	9.687 8425	566	9.746 7259	742	0.253 2741	9.941		176		4	226'4	226	1	22
1	9.687 8991	566	9.746 800I	742	0.253 1999			176	20	5	283.0	282	: 5	28
2	9.687 9557	566	9.746 8743	742	0.253 1999			177	18	6	335.6	339		33
3	9.688 0122	565 566	9.746 9485	742	0.253 0515			176	17	7	396.5	395		39
4	9.688 0688	-6-	9.747 0227	742 742	0.252 9773	9.941	0461	176	16	8	452.8 509.4	452		45 50
5	9.688 1253	566	9.747 0969	742	0.252 9031	9.941	0284	177	15	ול	J~Y 4	500	اد ٠	J~
6	9.688 1819 9.688 2384	565	9.747 1711	742	0.252 8289			177	14	1				
	9.688 2949	565	9.747 2453 9.747 3194	741	0.252 7547 0.252 6806	9.940	9931	176	13					
9	9.688 3514	565	9.747 3936	742	0.252 6064	9.940		177	I 2 I I	l				
0	9.688 4079	565	9.747 4677	74 I	0.252 5323	9.940		176	10	1	175	17	6	17
1	9.688 4644	565	9.747 5419	742	0.252 4581			177	9	1	17.5		··6	ī
2	9.688 5209	565	9.747 6160	741	0.252 3840	9.940	9048	177	8	2	35.0		2	3.
3	9.688 5773	564	9.747 6902	742 741	0.252 3098	9.940	8872	176	7	3	52.2	52	.8	5.
4	9.688 6338	564	9.747 7643	741	0.252 2357	9.940	8695	177	6	4	70.0		4	79
5	9.688 6902	565	9.747 8384	741	0.252 1616			176	5	5	87.5	88		88
7	9.688 7467 9.688 8031	564	9.747 9125	741	0.252 0875			177	4		102.0	105		100
8	9.688 8595	564	9.747 9866 9.748 0607	741	0.252 0134			177	3	7 8	122.2	123		12
9	9.688 9159	564	9.748 1348	741	0.251 8652	9.940	7811	177	1	9	157.5	158	.4	150
0		564	9.748 2089	74 I	0.251 7911			177	-0	´'	J. J	•	٠,	
	Cos.	d.		d. c.	Tang.	Sin		d.	s.					
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.688 9723	564	9.748 2089	741	0.251 7911	9.940 7634	176	60		741	740	739
1	9.689 0287	564	9.748 2830	740	0.251 7170	9.940 7458	177	59	1	74'1	74'0	
2	9.689 0851 9.689 1415	564	9.748 3570	741	0.251 6430	9.940 7281 9.940 7104	177	58 57	3	148'2	148'0	4
3 4	9.689 1978	563	9.748 5052	741	0.251 4948		177	56	4	296.4	296.0	
5	9.689 2542	564 563	9.748 5792	740 741		9.940 6750	177 177	55	5	370.2	370.0	
6	9.689 3105	564	9.748 6533 9.748 7273	740	0.251 3467	9.940 6573 9.940 6396	177	54 53	6	444 [.] 6	518.0	
7 8	9.689 3669 9.689 4232	563	9.748 8013	740	0.251 1987		177	52	8	592.8		1
9	9.689 4795	563 563	9.748 8754	741	0.251 1246	9.940 6041	178 177	51	9	666.9	666.0	665.1
10	9.689 5358	563	9.748 9494	740 740	0.251 0506	9.940 5864	177	50				
11	9.689 5921	563	9.749 0234	740	0.250 9766	9.940 5687	177	49	_			737
12	9.689 6484	563	9.749 0974	740	0.250 9020	9.940 5510 9.940 5333	177	48		1 .	3.8	73'7
13 14	9.689 7047 9.689 7609	562	9.749 1714 9.749 2454	740		9.940 5155	178	47 46		•		47'4 21'1
15	9.689 8172	563 562	9.749 3194	740 740	0.250 6806	9.940 4978	177 177	45		٠,	- 1	94.8
16	9.689 8734	563	9.749 3934	739		9.940 4801	178	44				368.5
17 18	9.689 9297 9.689 9859	562	9.749 4673 9.749 5413	740	0.250 5327		177	43 42				42'2 15'9
19	9.690 0421	562 562	9.749 6153	740	0.250 3847	9.940 4268	178	41		<u> </u>	, ,	89.6
	9.690 0983	562	9.749 6892	739	0.250 3108	9.940 4091	177	40				63.3
2 I	9.690 1545	562 562	9.749 7632	740 739	0.250 2368	9.940 3914	177	39				
22	9.690 2107	562	9.749 8371	739	0.250 1629	9.940 3736 9.940 3558	178	38				
23 24	9.690 2669 9.690 3231	562	9.749 9110 9.749 9850	740		9.940 3330	177	37 36	١.			
25	9.690 3792	561 562	9.750 0589	739		9.940 3203	178	35	_ .	563	562	561
26	9.690 4354	561	9.750 1328	739 739	0.249 8672		178	34	1 2	56·3	56.5	
27 28	9.690 4915	561	9.750 2067 9.750 2806	739	0.249 7933	9.940 2848 9.940 2670	178	33	3	168.9	168.6	' 1
29	9.690 5476 9.690 6038	562	9.750 2505	739	0.249 6455	9.940 2492	178	32 31	4	225.2	224.8	
30	9.690 6599	561	9.750 4284	739	0.249 5716	9.940 2315	177	30	5	281°5	281.0	ا تر ا
31	9.690 7160	561 561	9.750 5023	739	0.249 4977	9.940 2137	178 178	29	7	394.1	337.2	1 1
32	9.690 7721	561	9.750 5762	739 738	0.249 4238	9.940 1959	178	28	8	450'4	449.6	448.8
33	9.690 8282 9.690 8842	560	9.750 6500 9.750 7239	739	0.249 3500	9.940 1781 9.940 1603	178	27 26	9	506.7	505.8	504.9
34 35	9.690 9403	561 561	9.750 7978	739	0.249 2022	9.940 1425	178	25	١.	_		0
36	9.690 9964	560	9.750 8716	738 738	0.249 1284		177	24		560	559	558
37	9.691 0524	560	9.750 9454	739	0.249 0546	9.940 1070 9.940 0892	178	23 22	I 2	56.0	22.6	
38 39	9.691 1084	561	9.751 0193	738	0.248 9369	9.940 0713	179	2 I	3	168.0		1 - 1
40	9.691 2205	560	9.751 1669	738	0.248 8331	9.940 0535	178	20	4	224'0		
41	9.691 2765	560 560	9.751 2408	739	0.248 7592	9.940 0357	178 178	19	5	280'0 336'0		1
42	9.691 3325	560	9.751 3146	738 738	0.248 6854	9.940 0179	178	18	7	392.0		1
43	9.691 3885 9.691 4445	560	9.751 3884 9.751 4622	738	0.248 6116		178	17 16	8	448.0	447.2	446.4
44 45	9.691 5004	559	0 7ET E260	738	0.248 4640	9.939 9645	178	15	9	504.0	203.1	502.5
46	9.691 5564	560 559	9.751 6097	737 738	0.248 3903	9.939 9466	179 178	14				
	9.691 6123	560	9.751 6835	738	0.248 3165	9.939 9288 9.939 9110	178	• 3				
40 49	9.691 6683 9.691 7242	559	9.751 7573 9.751 8311	738	0.248 1689	9.939 9110	179	I 2 I I				
50	9.691 7801	559	9.751 9048	737	0.248 0952	9.939 8753	178	10		1	77	178
51	9.691 8360	559	9.751 9786	738		9.939 8575	178	9	-		7.7	17.8
52	9.691 8919	559 559	9.752 0523	737 738	0.247 9477	9.939 8396	179	8		2 ;	35.4	35.6 I
	9.691 9478	559	9.752 1261	737	0.247 8739	9.939 8218 9.939 8039	179	7		- 1	70·8	53 [.] 4 71 [.] 2
54 55	9.692 0037 9.692 0596	559	9.752 1998 9.752 2735	737		9.939 7861	178	5				89.0
56	9.692 1155	559	9.752 3472	737	0.247 6528	9.939 7682	179 178	4		6 10	06·2 I	06.8
57	9.692 1713	558 559	9.752 4209	737 738		9.939 7504	179	3	l		J / 1	24.6
58 59	9.692 2272 9.692 2830	558	9.752 4947 9.752 5684	737	0.247 5053	9.939 7325 9.939 7146	179	2 I	l			42'4 60'2
59 60		558	9.752 6420	736	0.247 3580		178	-	ĺ	7 I *	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				
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5.	Sin.	d.	Tang.	d. c.	Cotang.	Co	5.	d.						
0	9.692 3388	8	9.752 6420	727	0.247 3580	9.939	6968		60		7	36	73	5
ī	9.692 3946	558 558	9.752 7157	737	0.247 2843	9.939		179	59	N.		73.6		3.2
2	9.692 4504	558	9.752 7894	737	0.247 2106			178	58		CV PIZ	17'2		7.0
3	9.692 5062 9.692 5620	558	9.752 8631 9.752 9368	737	0.247 1369	9.939		179	57 56			20'8		0.2
5	9.692 6178	558		736	0.246 9896			179	55			0.89		7.5
6	9.692 6736	558 557	9.753 0841	737 736	0.246 9159			179	54			11.6	7.7	1.0
7	9.692 7293	558	9.753 1577	737	0.246 8423	9.939	T. C. C.	179	53			15'2		4'5
8	9.692 7851 9.692 8408	557	9.753 2314	736	0.246 7686	9.939		179	52			38.8	2.3	8.0
9	9.692 8966	558	9.753 3050 9.753 3786	736	0.246 6950	9.939	-	179	50	Ш	9 1 9	- 4	40	
10		557		737	0.246 6214	9.939		179	-		1 4	24 1	77	,
11	9.692 9523 9.693 0080	557	9·753 4523 9·753 5259	736	0.246 5477	9.939	4821	179	49	-		34	73	3.3
13	9.693 0637	557	9.753 5995	736	0.246 4005	9.939	4642	179	47			6.8	14	6.6
14	9.693 1194	557 557	9.753 6731	736 736	0.246 3269	9.939	4463	179	46			20.5		9.9
15	9.693 1751	557	9.753 7467	736	0.246 2533	9.939		179	45		4 29	3.6		3.5
16 17	9.693 2308 9.693 2864	556	9.753 8203 9.753 8939	736	0.246 1797	9.939	100	179	44		-	7.0		6.2
18	9.693 3421	557	9.753 9674	735	0.246 0326	9.939		180	43			13.8		3.1
19	9.693 3977	556	9.754 0410	736	0.245 9590			179	41			37.2		6.4
20	9.693 4534	557	9.754 1146	736	0.245 8854	9.939	3388	179	40			60.6	65	- 1
21	9.693 5090	556	9.754 1881	735	0.245 8119		3209	179	39					ļ
22	9.693 5646	556 556	9.754 2617	736 735	0.245 7383	9.939		179	38					
23	9.693 6202	556	19•/34 3334	736	0.245 6648			179	37					
24	9.693 6758 9.693 7314	556	9.754 4088 9.754 4823	735	0.245 5912	1,,,,		18o	36		557	55	6	555
25 26		556	9.754 4023	735	0.245 51//	, ,	249I 23I2	179	35 34	I	55'7	5.	5.6	55.2
27	9.693 8426	556	9.754 6294	736	0.245 3706		2132	180	33	2	111'4			111.0
28		555 556	9.754 7029	735	0.245 2971	9.939	1953	179	32	3	167°1	160	- 1	166.2
29	9.693 9537	555	9.754 7764	735	0.245 2236			180	31	5	278.2			277.5
30	9.694 0092	556	9.754 8499	735	0.245 1501	9.939	1593	179	30	6	334.5			333.0
31	9.694 0648	555	9.754 9234	735	0.245 0766		1414	180	29	7	389.9	38	9.5	388.2
32		555	9.754 9969	735	0.245 0031	9.939		179	28 27	8	445.6			444.0
33 34	9.694 1758 9.694 2313	555	9.755 0704 9.755 1438	734	0.244 9296		0875	180	26	9	201.3	500	0.4	499.5
35	9.694 2868	555	9.755 2173	735	0.244 7827	9.939		180	25					
36	9.694 3423	555 555	9.755 2908	735	0.244 7092		0515	179	24	-		54_	_55	
37	9.694 3978	555	9.755 3042	735	0.244 6358	9.939	_	180	23			55'4 10'8		5'3 0'6
38	9.694 4533	554	9.755 4377	734	0.244 5623	- 0	9976	180	22 21			56.5	_	5.9
<u>39</u>	9.694 5087	555	9.755 5846	735	0.244 4889	9.938		180	20		J	9.15		1;2
40	9.694 5642	554		734	0.244 4154	9,938	9796 9616	180	19		5 2	77.0		6.2
41 42	9.694 6196 9.694 6750	554	9.755 6580 9.755 7314	734	0.244 3420 0.244 2686		9436	180	18		1 - 2	32.4		1.8
43	9.694 7305	555	9.755 8048	734	0.244 1952		9256	180	17			37.8	-	7.1
44	9.694 7859	554	9.755 8783	735	0.244 1217	9.938	9076	180	16			43°2 98°6		2 [.] 4 7 [.] 7
45	9.694 8413	554 554	9.755 9517	734	0.244 0483	9.938	8896	180	15		, ₁ 4	1	.,	•
40	9.694 8967 9.694 9521	554	9.756 0251 9.756 0985	734	0.243 9749 0.243 9015	9.938	8716 8526	180	14 13					
47 48	9.695 0074	553	9.756 1718	733	0.243 9015	9.938	8356	180	12	l				
49	9.695 0628	554	9.756 2452	734	0.243 7548	9.938	8176	181	11	ŀ				
50	9.695 1182	554	9.756 3186	734	0.243 6814				10	_	179	18	0	181
5 I	9.695 1735	553	9.756 3920	734	0.243 6080			180	9	1	17:9	1	3.0	18.1
52	9.695 2288	553 554	9.756 4653	733	0.243 5347	9.938	7635	180	8	2	35.8		6.0	36.5
5	9.695 2842	554 553	9.756 5387	734	0.243 4613			181	7 6	3	53'7		1.0 5.0	54°3
5	9.695 3395 9.695 3948	553	9.756 6120 9.756 6854	734	0.243 3880 0.243 3146			180	5	5	89.5		0.0	90.2
5	9.695 4501	553	9.756 7587	733	0.243 3140	9.938	6914	180	4	6	107.4	10	8·o	108.6
5	9.695 5054	553	9.756 8321	734	0.243 1679	9.938	6733	181	3	7	125.3	120	6.0	126.4
5	9.695 5607	553 552	9.756 9054	733	0.243 0946			181	2	8	143.2	1 -	4.0	144.8
<u>5</u>	9.695 6159	553	9.750 9707	733	0.243 0213			180	I	9	191.1	1 10:	2.0	162.9
ć	9.695 6712		9.757 0520		0.242 9480				0					
.	Cos.	d.	Cotang.	d. c.	Tang.	Sir	1.	d.	5.					
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos	-	d.			0.75		
0	9.695 6712		9.757 0520	777	0.242 9480	9.938 6	192	181	60		733	1 7	32
1	9.695 7265	553	9.757 1253	733	0.242 8747	9.938 6	1100	180	59	1	73'3		73'2
2	9.695 7817	552	9.757 1986	733	0.242 8014	9.938 5	5831	181	58	2	146	1	46.4
3	9.695 8369	552	9.757 2719	733	0.242 7281	9.938 5		180	57	3	219	2	19.6
4	9.695 8922	553 552	9.757 3452	733	0.242 6548			181	56	4	293'2	2	92.8
5	9.695 9474	552	9.757 4185	733	0.242 5815			181	55	5	366	3	66.0
6	9.696 0026	552	9.757 4918	732	0.242 5082			180	54	6	439	4	39.5
7	9.696 0578	552	9.757 5650	733	0.242 4350			181	53	7	513		12.4
8	9,696 1130	552	9.757 6383	732	0.242 3617			181	52	8	586.7		85.6
9	9.696 1682	551	9.757 7115	733	0.242 2885	9.938 4	-	181	51	9	659	6	58.8
10	9.696 2233	1	9.757 7848	1	0.242 2152	9.938 4	1385	181	50				
11	9.696 2785	552	9.757 8580	732	0.242 1420	9.938 4	1204	180	49		731	1 7	730
12	9.696 3336	551	9.757 9313	733	0.242 0687	9.938 4	1024	181	48	1	73"	_	73.0
13	9.696 3888	552	9.758 0045	732 732	0.241 9955	9.938 3	3843	181	47	2	146		460
14	9.696 4439	551 551	9.758 0777	733	0.241 9223	9.938 3	3662	181	46	3	219		19.0
15	9.696 4990		9.758 1510	732	0.241 8490	9.938 3	3481	181	45	4	292		920
16	9.696 5541	551	9.758 2242	732			3300	181	44	5	365		650
17	9.696 6093	550	9.758 2974	732	0.241 7026	9.938 3	3119	181	43	6	438		38.0
18	9.696 6643		9.758 3706	732	0.241 6294			181	42	7	511"		11.0
19	9.696 7194	551	9.758 4438	i	0.241 5562	9.938 2	2757	181	41	8	584'8		84'0
20	9.696 7745	551	9.758 5170	732	0.241 4830	9.938 2	2576		40	9	657	1115	57'0
-	9.696 8296	551	9.758 5901	731	0.241 4099			182	39	1			
21	9.696 8846	550	9.758 6633	732	0.241 3367			181	38				
0.37	9.696 9397	551	9.758 7365	732	0.241 2635			181	37				
23	9.696 9947	550	9.758 8096	731	0.241 1904			181	36	l'ata	200		
24	9.697 0498	551	9.758 8828	732	0.241 1172	0.028	1670	181	35		53	552	55
26	9.697 1048	550	9.758 9559	731	0.241 0441	0.038 1	1488	182	34	1	55'3	55'2	5
27	9.697 1598	550	9.759 0291	732	0.240 9709			181	33			10'4	110
28	9.697 2148	550	9.759 1022	731	0.240 8978		17/11/20	181	32	3 1	65.9 1	65.6	16
29	9.697 2698	550	Part of the second of the seco	732	0.240 8246			182	31			20'8	
-		550	9.759 1754	731				181	-		76.5 2	76'0	27
30	9.697 3248	549	9.759 2485	731	0.240 7515			182	30		31.8 3	31.2	330
31	9.697 3797	550	9.759 3216	731	0.240 6784			181	29			86.4	385
32	9.697 4347	550	9.759 3947	731	0.240 6053			182	28	8 4	42'4 4	41'6	440
33	9.697 4897	549	9.759 4070	731	0.240 5322			181	27	9 4	97'7 4	96.8	495
34	9.697 5446	550	9.759 5409	731	0.240 4591			182	26		10.00		
35	9.697 5996	549	9.759 6140	731	0.240 3860		9855	181	25	1 2			
36	9.697 6545	549	9.759 6871	731	0.240 3129			182	24			49	54
37	9.697 7094	549	9.759 7602	731	0.240 2398		1000	182	23		55.0	54.8	54
38	9.697 7643	549	9.759 8333	730	0.240 1667	0.000	9310	181	22	127		09.8	100
39	9.697 8192	549	9.759 9063	731	0.240 0937		9129	182	21	100		64.7	164
40	9.697 8741		9.759 9794		0.240 0206	9.937 8	8947	182	20	100		19.0	219
41	9.697 9290	549	9.760 0525	731	0.239 9475	9.937 8	3765	10,00	19	21		74'5	274
42	9.697 9839	549	9.760 1255	730	0.239 8745		8584	181	18			29'4	328
43	9.698 0387	548	9.760 1986	731	0.239 8014		8402	182	17	44	7.7	84'3	383
44	9.698 0936	549	9.760 2716	730			8220	182	16			39'2	
45	9.698 1484	548	9.760 3446	730	0.239 6554			182	15	91 4	950 4	94.1	493
46	9.698 2033	549	0.760 4176	730	0.239 5824	9.937 7	7856	182	14				
47	9.698 2581	548		731	0.239 5093			182	13				
	9.698 3129	548	a #60 #61#	730	0.239 4363			5.50	12	0			
49	9.698 3677	548	0 760 6267	730	0.239 3633			182	11	0			
50	9.698 4225	548	9.760 7097	730	0.239 2903			182	10		1 180	10	181
		548	0 m60 m80m	730				182	-	1	18'0	-	18.1
	9.698 4773	548	0 760 8007	730	0.239 2173	9.937	5764	182	9	1	36.0		36.5
	9.698 5321	548	9.700 0557	730	0.239 1443	9.937	5182	182	10.00	2			70 00000
	9.698 6416	547		729				182	7	3	72'0		54'3 72'4
		548	9.701 0010	730	0.238 9984			182		4	900		90'5
55	9.698 6964	547	9.761 0746	730	0.238 9254 0.238 8524	9.937	5035	183	5	5	108.0		08.6
00	9.698 7511	548	9.761 1476	729	0.230 0524	9.937	850	182	4		126'0		26.7
	9.698 8606	547	9.761 2205	730	0.238 7795	9.937	621	182	3	7 8	144		44.8
_		547	9.701 2935	729	0.238 7065	9.937 5	180	182	1		162		62.9
	9.698 9153	547	9.761 3664	730	0.238 6336			183	-	9	102	. 1 .	J 2 9
101	9.698 9700	100.0	9.761 4394		0.238 5606	9.937 5	5306		0				
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5.	Sin.	d.	Tang.	d. c.	Cotang.	Co	s.	d.					
-	9.698 9700		9.761 4394	729	0.238 5606	9.937	5306	182	60		7:	29	728
1	9.699 0247	547	9.761 5123	729	0.238 4877	9.937		182	59	1	7	2.9	72.8
	9.699 0794	547 547	9.761 5852	730	0.230 4140	9.937	4942	183	-0	2		5.8	145.6
	9.699 1341	546	9.761 6582	729	0.230 3410	9.937	4759	182	57	3		8.7	218.4
	9.699 1887	547	9.761 7311	729	0.238 2689 0.238 1960			183	56	4	1 2	1.6	291'2
1 8	9.699 2434	547	9.761 8769	729	0.238 1231			182	55 54	5		4.5 7.4	364'0 436'8
1 7	9.699 3527	546	9.761 9498	729	0.238 0502			183		7		0.3	509.6
8		546	9.762 0227	729 729	0.237 9773	9.937	3847	183	100	8		3.5	582'4
9	9.699 4620	547	9.762 0956	728	0.237 9044	9.937	3664	183	51	9	65	6.1	655.5
10	9.699 5166	546 546	9.762 1684	729	0.237 8316	9.937	3481	182	50				
11	9.699 5712	546	9.762 2413	729	0.237 7587		3299	183	49		72	27	726
12		546	9.762 3142	728	0.237 6858		3116	183	48	1	7	2'7	72.6
13		545	9.762 3870	729	0.237 6130		2933	182	47	2		5'4	145'2
14		546	9.762 4599 9.762 5327	728	0.237 5401 0.237 4673		2751	183	40	3		8.1	217.8
	9.699 8441	546	9.762 6056	729	0.237 3944			183	45	4		0.8	363 o
17		545	9.762 6784	728	0.237 3216			183	43	5		3.2 6.5	435.6
18	9.699 9532	546	9.762 7513	728	0.237 2487	9.937	2019	183	42	7		8.9	508.5
19		545	9.762 8241	728	0.237 1759	_	1836	183	41	8	58	1.6	580.8
20			9.762 8969	728	0.237 1031	9.937	1653	183	40	9	65	4'3	653'4
21	9.700 1167	545 546	9.762 9697	728	0.237 0303		1470	183	39				
22		544	9.763 0425	728	0.236 9575			183	38				
	9.700 2257 9.700 2802	545	9.763 1153 9.763 1881	728	0.236 8847			183	37	<u> </u>			
24		545	9.763 2609	728	0.236 7391			183	36		547	546	545
	9.700 3892	545	9.763 3337	728 728	0.236 6663			183	34	1	54'7	54	
27		544	9.763 4065	727	0.236 5935	9.937	0372	183	33		09'4	109	
28		545	9.763 4792	728	0.236 5208		-	184	32	7	18.8	163	
29		544	9.763 5520	727	0.236 4480		0005	183	31		73'5	273	
30			9.763 6247	728	0.236 3753	9.936		183	30		28.2	327	
31		544 544	9.763 6975	727	0.236 3025			183	29		82'9	382	
32	9.700 7158	544	9.763 7702 9.763 8430	728	0.236 2298			184	28		37.6	436	8 436.0
34	0 /	544	9.763 9157	727	0.236 0843			183	26	9 4	92'3	491	4 490.2
35		544	9.763 9884	727 728	0.236 0116	9.936	8906	183	25	,			1
	9.700 9334	544 543	9.764 0612	727	0.235 9388			183	24	-	544	543	
37		544	9.764 1339	727	0.235 8661			184	23	1	54.4	54	
38		544	9.764 2066 9.764 2793	727	0.235 7934 0.235 7207			183	22 21		63.5	162	
39		543		727	0.235 6480		7988	184	_	-	17.6	217	1 0
40		543	9.764 3520	727				184	20		72'0	271	5 271'0
41		544	9.764 4247 9.764 4974	727	0.235 5753		7621	183	18	6 3	26'4	325	
43		543	9.764 5700	726	0.235 4300			184	17		80.8	380	
44		543	9.764 6427	727 727	0.235 3573	9.936	7254	184	16		35.2	434	
45	9.701 4224	543 543	9,764 7154	727	0.235 2846	9.936	7070	184	15	91 4	89.6	400	11 40/0
	9.701 4767	542	9.704 /001	726	0.235 2119	9.936	6700	184					
48		543	9.764 8607 9.764 9334	727	0.235 1393 0.235 c666	9.930	6510	183	13				
49		543	9.765 0060	726	0.234 9940			184		0			
50		542	9.765 0786	726	0.234 9214			184	10	1	182	183	1 184
51		543	9.765 1513	727	0.234 8487			184	9	1	18.3	18	
	9.701 8022	542	9.765 2239	726 726	0.234 7761			184	8	2	36'4	36	6 36.8
	19.701 8564	542 542	9.765 2965	726	0.234 7035	9.936	5599	184	7	3	54.6	54	
	9.701 9106	542	9.765 3691	726	0.234 0309			184	6	4	72.8	73	
	19.701 9648	542	9.765 4417	726	0.234 5583			184	5	5 6 1	00.5	109	
	9.702 0190 9.702 0732	542	9.765 5143 9.765 5869	726	0.234 4857			184	4		27.4	128	
	9.702 0732	542	9.765 6595	726	0 224 2405			184	2	8 1	45.6	146	4 147'2
	19.702 1816	542	9.765 7321	726	0 224 2670			184	1	9 1	63.8	164	7 165.6
ŀ	9.702 2357	541	9.765 8047	726	0.234 1953			184	0				
Ĺ	Cos.	d.	Cotang.	d. c.	Tang.	Sir	١.	d.	s.				
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5,	Sin.	d.	Tang.	d. c.	Cota	ang.	Co	05.	d.						
٥	9.702 2357	542	9.765 8047	726	0.234	1953	9.936		185	60	_		726	72	5
1	9.702 2899	541	9.765 8773	725	0.234		9.936		184	59	10	1	72.6	73	2.2
2	9.702 3440	542	9.765 9498	726			9.936		184	58		2	145'2		
3	9.702 3982	541	9.766 0224	725			9.936		184	57		3	217.8		
4	9.702 4523	541	9.766 0949 9.766 1675	726			9.936 9.936		185	56		4	290'4		
5	9.702 5064	54 I	9.766 2400	725			9.936		184	55 54		5	363°0		-
7	9.702 6146	541	9.766 3126	726			9.936		185	53		7	508.3		-
8	9.702 6687	541	9.766 3851	725	0.233		9.936		184	52		8	580.8		
9	9.702 7228	541	9.766 4576	725			9.936		184	51		9	653'4		
10	9.702 7768	540	9.766 5301	725	0.233	4699	9.936		185	50					
	9.702 8309	54 I	9.766 6026	725	0.233		9.936		184	49		ı	724	72	23
	9.702 8849	540	9.766 6751	725	,	• • • •	9.936		185	4 8	-		72.4		2.3
13	9.702 9390	541	9.766 7476	725			9.936		185 184	47		2	144.8		4·6
14	9.702 9930	540 541	9.766 8201	725	0.233	1799	9.936	1729	185	46		3	217.2		
15	9.703 0471	540	9.766 8926	725			9.936		184	45		4	289.6		•
16	9.703 1011	540	9.766 9651	725			9.936		185	44		5	362.0		
7	9.703 1551	540	9.767 0376	725			9.936		185	43		6	434'4		
18	9.703 2091	540	9.767 1101 9.767 1825	724			9.936 9.936		185	42		7	506.8		
19	9.703 2631	539		725					184	41		8	579.2		-
20	9.703 3170	540	9.767 2550	724	0.232	7450	9.936		185	40		9	651.6	650	0.7
21	9.703 3710	540	9.767 3274	725	0.232		9.936		185	39	ŀ				
22	9.703 4250	539	9.767 3999	724			9.936		185	38	Ì				
23 24	9.703 4789 9.703 5329	540	9.767 4723 9.767 5 448	725	0.232		9.936 9.935		185	37 36	١.				
25	9.703 5868	539	9.767 6172	724			9.935	9606	185	35	_ _	_54	41 5	40	539
26	9.703 6407	539	9.767 6896	724			9.935		185	34	1			54'0	53
27	9.703 6946	539	9.767 7620	724			9.935		185 185	33	2	_		28.0	107
	9.703 7486	540	9.767 8344	724 724	0.232	1656	9.935	9141	185	32	3		- "	62'0	161
29	9.703 8025	539 538	9.767 9068	724	0.232	0932	9.935	8956	185	31	4		.,		215
30	9.703 8563		9.767 9792		0.232	0208	9.935	8771	185	30	5		- 1		269
31	9.703 9102	539	9.768 0516	724	0.231	9484	9.935	8586	185	29	7	_	- 1 -	78.0	323 [.]
	9.703 9641	539	9.768 1240	724 724	0.231		9.935	8401	185	28	8		- i		431
33	9.704 0180	539 538	9.768 1964	724	0.231		9.935		186	27	9				485°
34	9.704 0718	539	9.768 2688	723	0.231	7312	9.935		185	26			-		
35	9.704 1257	538	9.768 3411	724			9.935	7845	185	25	ı	5 1	38 5	37	536
36	9.704 1795	538	9.768 4135 9.768 4859	724	0.231		9.935	7660	185	24	-			53.7	53
37 38	9.704 2333 9.704 2871	538	9.768 5582	723			9.935 9.935	7475	186	23 22	2	-	'		107
39	9.704 3409	538	9.768 6306	724	0.231			7104	185	21	3	_			160
10	9.704 3947	538	9.768 7029	723	0.231		9.935	6918	186	20	4			_	214
1		538		723					185		5	_			268
1 I 1 2	9.704 4485 9.704 5023	538	9.768 7752 9.768 8476	724	0.231		9.935 9.935		185	19 18	6				321
13	9.704 5561	538	9.768 9199	723	0.231		9.935		186	17	7				375
	9.704 6099	538	9.768 9922	723	0.231		9.935		185	16	8				428
15	9.704 6636	537	9.769 0645	723	0.230	9355	9.935	5991	186 186	15	9	40	4.5 4	33.3	482
6	9.704 7174	538	9.769 1368	723 723	0.230	8632	9.935	5805	185	14					
17	9.704 7711	537 537	9.769 2091	723	0.230	7909	9.935	5620	185 186	13	l				
18	9.704 8248	537	9.769 2814	723	0.230		9.935		186	I 2	l				
	9.704 8785	538	9.769 3537	723	0.230		9.935		185	11			-0	1 -0	
	9.704 9323	537	9.769 4260	723	0.230		9.935	5063	186	10	_	_	184	18	
	9.704 9860	537	9.769 4983	722	0.230		9.935		186	9	1	I	18.4		8.2
	9.705 0397	536	9.769 5705	723	0.230	4295	9.935	4691	186	8	l	2	36.8		7.0
3	9.705 0933	537	9.769 6428	723	0.230	3572	9.935	4505	185	7		3	55.5		5.2
	9.705 1470	537	9.769 7151 9.769 7873	722	0.230	2049	9.935 9.935	4320	186			4	73.6 92.0		5.2 †.0
	9.705 2543	536	9.769 7873	723	0.230	1404	9.935	2048	186	5		5	110.4		
	9.705 3080	537	9.769 9318	722	0.230	0682	3.933	3762	186	3		7	128.8		
8	9.705 3616	536	9.770 0040	722	0.229	9960	9.935	3576	186	2		8	147'2	1 2	
	9.705 4153	537	9.770 0763	723	0.229	9237	9.935	3390	186	I		9	165.6		
	9.705 4689	536	9.770 1485	722	0.229			3204	186	-0		- •	•	•	-
Ť	Cos.	d.	Cotang.	d. c.	Tan		Sin		d.	s.					
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5.	Sin.		d.	Tar	ig.	d. c.	Cota	ing.	Co	s,	d.						
0	9.705	1689	536	9.770	1485	722	0.229	8515	9.935	3204	186	60			722	7	21
1	9.705		536	9.770		722			9-935		186	59		1	72.5	1	72'1
2	9.705		536	9.770		722			9.935		186	58		200	144'4		14'2
3	9.705		536	9.770		722			9.935		187	57			216.6		16·3 38·4
4 5	9.705		535	9.770		722			9.935 9.935		186	55			361.0	100	50.2
6	9.705		536	9.770		722	0.229	4183	9.935	2087	186	54		2 1	433'2		32.6
7	9.705		536	9.770		722 722		3461			186	53			505'4		7.47
8	9.705		535 536	9.770	7261	721			9.935		187	52		200	577'6	100	76.8
9	9.705	9511	535	9.770		722	0.229	2018	9.935	1528	186	51		9	649.8	64	18.9
10	9.706	0046	535	9.770	8704	722	0.229	1296	9.935	1342	186	50					
11	9.706		535	9.770		721			9.935		187	49			720	7	19
12	9.706		535	9.771		722			9.935		186	48		1	72'0	1	1.0
13	9.706	2.0	535	9.771		721	0.228		9.935		187	47			144'0		13.8
14 15	9.706	- C 11	535	9.771	77.5	721	0.228	7680	9.935	0410	186	45			288.0 288.0		5.7 37.6
16	9.706	200	535	9.771		722	0.228	6967	9.935	0223	187	44			360.0	100.00	59.5
17	9.706		535	9.771		721			9.935		187	43		2011	432.0	1	31'4
18	9.706		534 535	9.771	1 0	721	0.228		9.934	2.0	186	42		7	504'0		3.3
19	9.706	4860	534	9.771	5196	721	0.228		-		187	41			5760	1	75'2
20	9.706	5394	535	9.771	_	721	0,228		9.934		187	40		9	648.0	6	17.1
2 I	9.706	5929	534	9.771		721	0.228	3362	9.934	9290	186	39					
22	9.706		534	9.771	7359	721	0.228	2641	9.934	9104	187	38	н				
	9.706		534	9.771		721			9-934		187	37	И.				
24 25	9.706		534	9.771		721			9.934		187	35		_535	5	34	533
	9.706		534	9.772		721 720			9.934		187	34	I	53		3'4	23.3
27	9.706		534 534	9.772	0963	721		9037	9.934		187	33	2	107		6.8	106.6
28	9.706	9667	533	9.772		720			9.934		187	32	3	160 214	- 1	0°2	159.9 213.2
29	9.707	200	534	9.772	2404	721		7596	9.934		187	31	5	267	1 -	7.0	266.2
30	9.707	734	533	9.772		720	0.227	6875	9.934	7609	187	30	6	321	-1	0.4	319.8
31	9.707		534	9.772		721	0.227		9.934		187	29	7	374		3.8	373.1
	9.707		533	9.772		720	1	-	9.934		187	28	8	428		7.2	426.4
	9.707	- i	533	9. 772 9. 772		720	0.227		9.934 9.934		187	27 26	9	481	5 48	0.6	479'7
34 35	9.707 3 9.707 3		533		6727	721		3273	9.934		187	25					
	9.707	1	533	9.772		720 720			9.934		187	24		_ _	532	_5	31
H B	9.707		533 533	9.772		720		1833			187	23		1	53.5		3,1
	9.707		533	9.772		720			9.934		187	22		- 1	106.4		06.3
<u>39</u>	9.707		532	9.772		720		0393	9.934		187	21			212 [.] 8		9'3 2'4
40	9.707	-	533		0327	720		9673	9.934		188	20	ļ		266·o		55.2
41	9.707		532	9.773	1047	719	0,226	8953	9.934	5550	187	19			319.2		8.6
42	9.707		533	9· 7 73	1766 2486	720			9.934 9.934		187	17			372'4		71.7
	9.707 S		532	9.773	3206	720			9.934		188	16	l	8	425.6	42	24.8
	9.707		532	9.773	3926	720	0.226	6074	9.934	4801	187 188	15	ŀ	9 •	478.8	47	77'9
46	9.707		533 532	9.773	4645	719 720	0.226	5355	9.934	4613	187	14					
47	9.707	9791	532	9.773	5365	719	0.220		9.934		188	13	l				
	9.708			9.773	6804	720	0.220		9.934 9.934		187	I 2 I I					
<u>49</u>	9.708		532	9.773	7504	719					188		١,	186	. (+9	37	188
	9.708		532	9.773	7523	719	0.226		9.934		187	10	-		_	<u> </u>	18.8
151	9.708	1918	532	9.773	8061	719	0.220		9.934 9.934		188	8	2	18 ⁻		8·7 7·4	37.6
1	9.708 2 9.708 2	2450	531	9·773 9·773	0681	720	0 226	0210	0.024	2200	188	7	3	55		6.1	56.4
1	9.708		531	9.774	0400	719	0.225	9600	9.934	3113	187	6	4	74		4.8	75.2
ξ.	9.708		532	9.774			0.225	1666	9.934	2925	188	5	5	93	0 9	3.2	94'0
	9.708		531	9.774		719 719	0.225	8162	9.934	2737	188	4	6	III		2.5	112.8
l ·l	9.708	5106	531 531	9.774	2557	719	0.225	7443	9.934	2549	187	3	7	130		0.6	131.6
	9.708		531	9.774	3276	719	0.225		9.934		188	2	8	148	1 1	9·6 8·3	150°4 169°2
	9.708		531	9.774		718			9.934		188	-1	91	167	41 10	اد ت	109 2
	9.708	_			4713		0.225		9.934		1	0					
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s.	Sin.	d.	Tang.	d. c.	Cota	ng.	Co	os.	d.						
0	9.708 6699	531	9.774 4713	719			9.934	1986	188	60		7	19	71	8
1	9.708 7230	531	9.774 5432	719		4568	9.934		188	59			11.9		1.8
2	9.708 7761 9.708 8291	530	9.774 6151 9.774 6869	718	0.225	3849 3131			188	58		A 14	13.8		3.6
3	9.708 8822	531	9.774 7588	719	0.225		9.934		188	57 56			576		5'4 7'2
5	9.708 9352	530 531	9.774 8306	718 719	0.225		9.934	1046	188	55		2.77	59'5		9.0
6	9.708 9883	530	9.774 9025	718	0.225		9.934		188	54		1 1 1 1 1 1	31'4		0.8
7 8	9.709 0413	530	9.774 9743 9.775 0462	719	0.225	475	9.934		188	53 52			75.5	1000	4.4
9	9.709 1473	530	9.775 1180	718	0.224		9.934	5 to 5 vil 1	188	51			47.1		6.5
10	9.709 2003	530	9.775 1898	718	0.224	8102	9.934	0105	189	50					
11	9.709 2533	530 530	9.775 2616	718 718	0.224	7384	9.933	9917	188	49		1 7	17	71	6
12	9.709 3063	530	9.775 3334	718	0.224		9.933		188	48	10	1	71.7	7	1'6
13	9.709 3593	530	9.775 4052 9.775 4770	718	0.224		9.933		189	47	1 8		13'4	100	3.5
14	9.709 4123	529	9.775 5488	718	0.224	-	9.933		188	45		-	15.1		6.4
16	9.709 5182	530 529	9.775 6206	718 718	0.224		9.933		188	44			58.5		8.0
17	9.709 5711	529	9.775 6924	718	0.224	- 2	9.933	200	188	43			30.5		9.6
18	9.709 6240 9.709 6770	530	9.775 7642 9.775 8359	717	0.224		9.933		189	42			6.10	50	
19 20	9.709 7299	529	9.775 9077	718	0.224		9.933	8222	188	41			15.3		2.8
2 I	9.709 7828	529	9.775 9795	718	0.224		9.933	_	189	40		9 1 0.	+3.31	04	* *
22	9.709 8357	529	9.776 0512	717	0.223		9.933		188	39 38					
23	9.709 8886	529 529	9.776 1230	717	0.223	8770	9.933	7656	189	37					
24	9.709 9415	528	9.776 1947 9.776 2665	718	0.223	- 6	9.933		188	36	1	530	52	91	528
25 26	9.709 9943 9.710 0472	529	9.776 3382	717	0.223	- 45	9.933	C 715	189	35	ī	53.0	_	2.9	52.8
27	9.710 1000	528	9.776 4099	717	0.223		9.933		189	34	2	106.0	10	5.8	105.0
28	9.710 1529	529 528	9.776 4816	717 717	0.223	- 101			189	32	3	129.0	100	- 1	158.4
29	9.710 2057	529	9.776 5533	718	0.223	-	9.933	-	189	31	5	265'0	1		264'0
30	9.710 2586	528	9.776 6251	717	I	3749	9.933		189	30	6	318.0			316.8
31	9.710 3114 9.710 3642	528	9.776 6968 9.776 7685	717	0.223		9.933		189	29	7	371'0	100	200	369.6
32 33	9.710 3042	528	9.776 8402	717	0.223	- 20	9.933		189	28	8	424'0		2 1	422.4
34	9.710 4698	528 528	9.776 9118	716 717	0.223	0882	9.933	5579	189	26	9	477'0	1 4/		4/3 -
35	9.710 5226	527	9.776 9835	717	0.223				189	25		1 =	27	52	6
36 37	9.710 5753 9.710 6281	528	9.777 0552 9.777 1269	717	0.222				189	24		_	52.7	_	2.6
38	9.710 6809	528	9.777 1985	716	0.222		9.933		189	23			5.4		5.5
39	9.710 7336	527 527	9.777 2702	717 716	e e	7298	9.933		189	21		3 1	58.1		7.8
40	9.710 7863	528	9.777 3418	717	0.222	6582	9.933	4445	189	20			10.8	21	100
41	9.710 8391	527	9.777 4135	716	1	5865	9.933		189	19			16.5	31	
42	9.710 8918	527	9.777 4851	717			9.933	4067	189	18			58.9	36	
43 44	9.710 9445 9.710 9972	527	9.777 5568 9.777 6284	716	0.222		9.933		190	16		8 4	51.6	42	0.8
45	9.711 0499	527 527	9.777 7000	716 716	0.222	3000	9.933	3499	189	15	1 14	9 4	74.3	47.	3.4
46	9.711 1026	527	9.777 7716	717	0.222	2284	9.933	3310	190	14					
47 48	9.711 1553 9.711 2080	527	9.777 8433 9.777 9149	716	0.222 0.222	0851	9.933	3120	189	13					
49	9.711 2606	526	9.777 9865	716	10 222	0135	9.933		189	11					
50	9.711 3133	527	9.778 0581	716	0.221	_	9.933		190	10		1 1	88	18	9
51	9.711 3659	526	9.778 1297	716	0.221	8703	9.933	2363	189	-	1		8.8	1	8.9
52	9.711 4186	527 526	9.778 2012	715 716	0.221	7988	9.933	2173	189	9		2	37.6	3	7.8
53	9.711 4712	526	9.778 2728	716	0.221	7272	9.933	1984	190	7			6.4	51	5.7
54 55	9.711 5238 9.711 5764	526	9.778 3444 9.778 4160	716	0.22I 0.22I	5840	9.933	1604	190	6			75'2		1.2
56	9.711 6290	526	9.778 4875	715	0 227	5125	9.933	1415	189	5	1 6	6 1	12.8	11	
57	9.711 6816	526 526	9.778 5591	716 716	0.221	4409	9.933	1225	190	3	10	7 1	31.6	132	2'3
58	9.711 7342	526	9.778 6307	715	0.221	3693	9.933	1035	189	2	6 3	8 1	0.4	151	
<u>59</u>	9.711 7868 9.711 8393	525	9.778 7022	715	0.221				190	-0		9 10	9.2	170	, ,
=	Cos.	d.	9.778 7737 Cotang.	d. c.	0.221 Tan	THE REAL PROPERTY.	9.933 Si		d.	0					
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.		β¢.			
0	9.711 8393	526	9.778 7737		0.221 2263	9.933 0656	17.0	60		1 7	15 1	714
7	9.711 8919	525	9.778 8453	716	0.221 1547	9.933 0466	190	59		_	1.2	71'4
2	9.711 9444	526	9.778 9168	715		9.933 0276	189	58		2 14	3.0	142.8
3	9.711 9970	525	9.778 9883	716		9.933 0087	190	57			4'5	214'2
4	9.712 0495	525	9.779 0599	715	0.220 9401	9.932 9897	190	56			6.0	285.6
5	9.712 1020	526	9.779 1314 9.779 2029	715	0.220 7971	9.932 9707 9.932 9517	190	55			7.5	357'0
7	9.712 2071	525	9.779 2744	715		9.932 9327	190	54 53	100		0.2	428.4
8	9.712 2596	525	9.779 3459	715		9.932 9137	190	52		73	2'0	571'2
9	9.712 3120	524	9.779 4174	715	0.220 5826	9.932 8947	190	51	3		3.2	642.6
10	9.712 3645	525	9.779 4889	715	0.220 5111	9.932 8757	190	50			0.5.4	
11	9.712 4170	525	9.779 5603	714	0.220 4397	9.932 8567	190	49		1 7	13	712
12	9.712 4695	525 524	9.779 6318	715		9.932 8376	191	48	1		1.3	71'2
13	9.712 5219	525	9.779 7033	715		9.932 8186	190	47			2.6	142'4
14	9.712 5744	524	9.779 7748	714		9.932 7996	190	46			3'9	2136
15	9.712 6268	524	9.779 8462	715		9.932 7806	190	45	1.0		5.5	284.8
17	9.712 7317	525	9.779 9177 9.779 9891	714		9.932 7616	191	44			6.2	356.0
81	9.712 7841	524	9.780 0606	715		9.932 7235	190	43 42			7.8	427'2
19	9.712 8365	524	9.780 1320	714	0.219 8680	9.932 7045	190	41			0.4	498.4
20	9.712 8889	524	9.780 2034	714	0.219 7966	9.932 6854	191	40		1 2,	1.7	640.8
21	9.712 9412	523	9.780 2749	715	0.219 7251	9.932 6664	190	39		1.0	2.5	
22	9.712 9936	524	9.780 3463	714	A Company of the Comp	9.932 6473	191	38				
23	9.713 0460	524 523	9.780 4177	714		9.932 6283	190	37				
24	9.713 0983	524	9.780 4891	714		9.932 6092	190	36	1	525	524	523
25	9.713 1507	523	9.780 5605	714	0.219 4395	9.932 5902	191	35	1	25.2	52	
26 27	9.713 2030 9.713 2554	524	9.780 6319 9.780 7033	714	0.219 3081	9.932 5711	190	34	2	102.0	104	
28	9.713 3077	523	9.780 7747	714		9.932 5521 9.932 5330	191	33	3	157.5	157	1 2
29	9.713 3600	523	9.780 8461	714	0.219 1539	9.932 5140	190	32 31	4	210'0	209	6 209
30	9.713 4123	523	9.780 9174	713	0.219 0826	9.932 4949	191	-	5	262.2	262	
31	9.713 4646	523	9.780 9888	714	0.219 0112	9.932 4758	191	30	6	315.0	314	41 4
32	9.713 5169	523	9.781 0602	714		9.932 4567	191	29 28	7	367.5	366	1 -
33	9.713 5692	523	9.781 1315	713	0.218 8685	9.932 4377	190	27	8	420'0 472'5	419 471	-1 '
34	9.713 6215	523 522	9.781 2029	714	0.218 7971	9.932 4186	191 191	26	ופ	4/2 3	4/•	01 4/0 /
35	9.713 6737	523	9.781 2742	714	0.218 7258	9.932 3995	191	25		۱	ا م	
36	9.713 7260	522	9.781 3456	713	0.218 6544	, , ,	191	24	-	_	22	521
37 38	9.713 7782 9.713 8305	523	9.781 4169 9.781 4883	714	0.218 5831		191	23			2.2	52.1
39	9.713 8827	522	9.781 5596	713	0.218 4404	9.932 3422 9.932 3231	191	22 21			6.6	104'2 156'3
40	9.713 9349	522	9.781 6309	713	0.218 3691	9.932 3040	191				8.8	208.4
41	9.713 9871	522	9.781 7022	713	0.218 2978	9.932 2849	191	20			1.0	260.5
42	9.714 0394	523	9.781 7735	713	0.218 29/6	9.932 2658	191	18	(3.5	312.6
43	9.714 0915	521	9.781 8449	714	0.218 1551	9.932 2467	191	17			5'4	364.7
44	9.714 1437	522	9.781 9162	713	0.218 0838	9.932 2276	191	16			7.6	416.8
45	9.714 1959	522 522	9.781 9874	712	0.218 0126	9.932 2085	191	15	l '	9 46	9.8	468.9
46		522	9.782 0587	713	0.217 9413	9.932 1893	191	14				
47	9.714 3003	521	19.702 1300	713	0.217 8700	9.932 1702	191	13				
48	9.714 3524 9.714 4045	521	9.782 2013 9.782 2726	713	0.217 7987		191	12				
49		522		712		9.932 1320	192	11	١,	1		
50	9.714 4567	521	9.782 3438	713	0.217 6562	9.932 1128	191	10	_ -	190	191	
5 I 2	9.714 5088 9.714 5609	521	9.782 4151 9.782 4864	713	0.217 5849		191	9	1	19.0	19	
3	9.714 6130	521	9.782 4804	712		9.932 0746 9.932 0554	192	8	2	38·0	38 57	
4	9.714 6651	521	9.782 6289	713	0.217 3711		191	7	3	76.0	76	
.5	9.714 7172	521	9.782 7001	712	0.217 2999	9.932 0171	192	5		95.0	95	11 1
;6	9.714 7693	521 521	9.782 7713	712	0.217 2287	9.931 9980	191	4	5 6	114.0	114	-1
17	9.714 8214	521	9.782 8426	713	0.217 1574	9.931 9788	192 191	3	7 8	133.0	133	7 134.
8	9.714 8735	520	9.782 9138	712	0.217 0862	9.931 9597	191	2		152.0		
9	9.714 9255	221	9.702 9050	712	0.217 0150		192	_1	9	171.0	171	9 172
0		_	9.783 0562	100	0.216 9438	THE RESERVE OF THE PERSON NAMED IN	500	0				
- 1	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	5.				
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5.	Sin.	d.	Tang.	d. c.	Cotang.	_	os.	d.					2. 7		
0	9.714 9776	520	9.783 0562	712	0.216 943	9.931	9213	191	60	-		7	2	71	1
1	9.715 0296	521	9.783 1274	712	0.216 8720	, , ,		192	59		1		1.5		I'I
	9.715 0817	520	9.783 1986	712	0.216 801			192	58		2		2'4	14	
	9.715 1337	520	9.783 2698 9.783 3410	712	0.216 730:			191	57 56		3		3.6	28	
	9.715 1857	520	9.783 4122	712	0,216 587		8255	192	55				6.0	35	
5	9.715 2377	520	9.783 4834	712 712	0.216 516	, , , ,		192	54		5		7'2	420	
7	9.715 3417	520 520	9.783 5546	712	0.216 4454	9.931	7871	192	53		7		8.4	49	
8	9.715 3937	520	9.783 6258	711	0.216 374		7679	192	52	١.	8		9.6	561	
9	9.715 4457	519	9.783 6969	712	0.216 303		7487	192	51		9	04	0.8	630	99
0	9.715 4976	520	9.783 7681	711	0,216 231			192	50			14		151	
1	9.715 5496	519	9.783 8392	712	0.216 160	, , ,	7103	192	49	-	_	_	0	70	-
_	9.715 6015	520	9.783 9104 9.783 9815	711	0.216 018	,,,,	6719	192	48	l C	I	100	1.0		0.0
_	9.715 6535	519	9.784 0527	712	0.215 947		200	192	46	L)S	2	- 1.5	3.0	21:	
-	9.715 7054	519	9.784 1238	711	0.215 876		6335	192	45	n,	3 4	-	4.0	28	
6	9.715 8092	519	9.784 1949	711	0.215 805	9.931	6143	192	44				5.0	35	
7	9.715 8611	519	9.784 2661	711	0.215 733		5951	192	43	n	5		6.0	42	5'4
8	9.715 9130	519	9.784 3372	711	0.215 662		5759	193	42		7		7.0	49	
9	9.715 9649	519	9.784 4083	711	0.215 591		5500	192	41	1	8	-	8.0	56	100
0	9.716 0168	519	9.784 4794	711	0.215 520		5374	192	40		9 1	03	0.0	63	0.1
1	9.716 0687	518	9.784 5505	711	0.215 449			192	39						
2	9.716 1205	519	9.784 6216 9.784 6927	711	0.215 378		4990	193	38 37						
3	9.716 1724	519	9.784 7638	711	0.215 307			192	36	Ь,		. 1			
5	9.716 2243	518	9.784 8348	710	0.215 165			193	35	_	_	20	51	_	513
6	9.716 3279	518	9.784 9059	711	0.215 094			192	34	1	-	2'0	51	-	51
7	9.716 3797	519	9.784 9770	711	0.215 023		4027	192	33	2		4.0	103		103
8	9.716 4316	518	9.785 0481	710	0.214 951			193	32	3		8.0	207		207
9	9.716 4834	518	9.785 1191	711	0.214 880		3642	192	31	4	-	0.0	259	4.0	259
0	9.716 5352	517	9.785 1902	710	0.214 809	9.931	3450	193	30	6		2'0	311	-	310
1	9.716 5869	518	9.785 2612	711	0.214 738			192	29	7	36	4'0	363	3	362
2	9.716 6387	518	9.785 3323	710	0.214 667			193	28	8		6.0	415		414
3	9.716 6905	518	9.785 4033	710	0.214 596			193	27 26	9	46	8.0	467	.1	466
4	9.716 7423	517	9.785 4743 9.785 5454	711	0.214 454			193	25						
55	9.716 7940	518	9.785 6164	710	0.214 383			192	24	li.		51	7	51	6
7	9.716 8975	517	9.785 6874	710	0.214 312			193	23		1	5	1'7		1.6
8	9.716 9492	517	9.785 7584	710 710	0.214 241		1908	193	22	112	2		3'4	10	200
9	9.717 0009	517	9.785 8294	710	0.214 170	9.931	1715	193	21	ľX	3		5.1	15	
0	9.717 0526	518	9.785 9004	710	0.214 099	9.931	1522	193	20	И.	4		8.5	25	-
1	9.717 1044	516	9.785 9714	710	0.214 028	9.931	1329	193	19	1.1	5		0.5	300	
2	9.717 1560	517	9.786 0424	710	0.213 957			193	18	811	7	-	1.0	36	
-3	9.717 2077	517	9.786 1134	710	0.213 886			193	17 16		8		3.6	41	
4	9.717 2594	517	9.786 1844 9.786 2553	709	0.213 815			193	15		9	46	5.3	46	4'4
6	9.717 3111	516	9.786 3263	710	0.213 673			193	IA						
7	9.717 4144	517	9.786 3973	710	0.213 602	9.931	0171	193	13						
	9.717 4660	516	9.786 4682	709 710	0.213 531	9.930	9978	193	12						
	9.717 5177	517	9.786 5392	709	0.213 460			193	11						
o	9.717 5693	516	9.786 6101		0.213 389	9.930	9592	194	10		19	1(19	2	193
	9.717 6209	516	9.786 6811	710	0.213 318			193	8	1		0.1	19		19
	9.717 6725	516 516	9.786 7520	709 709	0.213 2480			193		2		8.3	38		38
3	9.717 7241	516	9.786 8229	710	0.213 177	9.930	9012	193	7 6	3		7:3	57 76	.8	57
	9.717 7757	516	9.786 8939	709	0.213 106	9.930	8625	194		4		5.2	96		77
	9.717 8273	516	9.786 9648	709	0.213 035			193	5	5		4.6	115		115
- 1	9.717 8789	515	9.787 0357 9.787 1066	709	0.212 904			194	3	7		3.4	134	10 H	135
	9.717 9304 9.717 9820	516	9.787 1775	709	0.212 822			193	2	8		2.8	153		154
9	9.717 9820	516	9.787 2484	709	0.212 751			194	1	9		1.9	172		173
_	9.718 0851	515	9.787 3193	709	0.212 680			193	0	1					
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0 9,718 0851				2	· 6	n										
19,718 1366 1516 9,787 3902 709 0.212 5089 9.330 7211 193 50 29,718 1882 1519 9,787 4611 709 0.212 1508 9.330 7271 194 57 32 212'4 212'1 421'1	s.	Sin.	d.	Tang.	d. c.	Cotang.	Co	os.	d.							
1	0	9.718 0851		9.787 3193		0.212 680	7 9.930	7658	1.04	60	1		70	8	707	5.1
2 9-718 1882	-					0.212 609	9.930	7464		59	-	1	7	0.8	70"	7
3 9 7 18 339 7 5 5 7 5 320 7 6 5 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5												2	100			-
49.718. 3912. 515. 9.787 0737 709. 0.312. 3263. 9.930 6690 194. 55 6 342.48 424.22 197.09 191	3	9.718 2397														_
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.	Г				
_0	9.721 1623	511	9.791 5635	706	0.208 4365	9.929 5989		60		1	706	705
1	9.721 2134	510	9.791 6341	705	0.208 3659		196	59	1		70.6	79'5
2	9.721 2644	510	9.791 7046	706	0.208 2954		195	58			41.5	141.0
3	9.721 3154	510		706	0.208 2248		195	57		- 1	11.8	211.2
5	9.721 3664 9.721 4174	510		705	0.208 1542		196	56	l		82.4	282.0
6	9.721 4684	510	0 701 0860	706	0.208 0131	9.929 5011	196	55	ŀ	> I -	353.0	352.2
7	9.721 5194	510	0 702 0574	705		9.929 4620	195	54 53		ר ו	23.6	423°0 493°5
8	9.721 5704	510 509	9.792 1280	706	0.207 8720		196	52	l	٠ ١	64.8	564 O
9	9.721 6213	510	9.792 1985	705	0.207 8015		196	51	l	- 1 2	35.4	
10	9.721 6723	509	9.792 2690	705	0.207 7310	9.929 4033	195	50	l	• •		0.5
11	9.721 7232	510	9.792 3396	706	0.207 6604		196	49	İ	1	704	703
12	9.721 7742	509	9.792 4101	705	0.207 5899		196	48	١ -	- I	70.4	70.3
13	9.721 8251	509	9.792 4806	705	0.207 5194	9.929 3445	196 196	47	ŀ		40.8	140.6
14	9.721 8760	510	9.792 5511	705	0.207 4489		196	46		- 1	11.5	210.0
15 16	9.721 9270	509	9.792 0210	705	0.207 3784	1	196	45		- 1	81.6	281.5
17	9.721 9779 9.722 0288	509	9.792 6921	705		9.929 2857	196	44			52.0	351.2
18	9.722 0797	509	9.792 7626 9.792 8331	705	0.207 2374	1	196	43			22.4	421.8
19	9.722 1305	508	9.792 9036	705	0.207 0964	1	196	42 41		<u>ن</u> ا ذ	92.8	492'1
20	9.722 1814	509	9.792 9741	705	0.207 0259		196	_			63.2	562'4
21	9.722 2323	509	9.793 0446	705	0.206 9554		196	40	İ	9 6	33.6	632.7
22	9.722 2832	509		704	0.206 8850		196	39	i			
23	9.722 3340	508 508		705		9.929 1485	196	38 37	l			
24	9.722 3848	500	9.793 2560	705		9.929 1289	196	36	Ι.			
25	9.722 4357	508	9.793 3264	705		9.929 1093	196	35		510	-	
26	9.722 4865	508	9.793 3909	704	0.206 6031	9.929 0896	197	34	I	51.		5.6
27	9.722 5373	508	9.793 4073	705		9.929 0700	196	33	2	102	1	1
28 29	9.722 5881 9.722 6389	508	9.793 5378	704	0.206 4622		197	32	3	204		
_		508	9.793 6082	704	0.206 3918		196	31	4	255	1 1	
30		508	9.793 6786	705	0.206 3214		196	30	6	306.		1
31 32	9.722 7405 9.722 7913	508	9.793 7491	704	0.206 2509		197	29	7	357		
33	9.722 8421	508	9.793 8195 9.793 8899	704	0.206 1805		196	28	8	408		
34	9.722 8928	507	0 800 0600	704		9.928 9522 9.928 9325	197	27 26	9	459	0 45	3'I 45
35	9.722 9436	508 507	9.794 0307	704	0.205 9693		196	25				
36	9.722 9943	508		704 704		9.928 8932	197	24		l_	507	506
37	9.723 0451	507	9.794 1715	704	0.205 8285		197	23		1	50.2	50.6
38	9.723 0958	507	9.794 2419	704	0.205 7581	9.928 8539	197	22		2 1	01'4	101.5
<u>39</u>	9.723 1465	507	9.794 3123	704	0.205 6877	9.928 8342	197	2 I		- 1	52.1	151.8
40	9.723 1972	507	9.794 3827	703	0.205 6173	9.928 8145	196	20		- 1	02.8	202'4
41	9.723 2479	507	9.794 4530	704	0.205 5470		197	19	l	- 1	53.5	253.0 303.6
42	9.723 2986	507	9.794 5234	704	0.205 4766		197	18		1 ~	54.9	354.5
43 44	9.723 3493 9.723 4000	507	9.794 5938 9.794 6641	703	0.205 4062	9.928 7555	197	17		5 1 -	05.6	404.8
45	9.723 4506	506	9.794 7345	704	0.205 3359		196	16			56.3	
	9.723 5013	507	9.794 8048	703		9.928 7102	197	15	l	•	•	
47	9.723 5520	507 506		704	0.205 1248	9.928 6768	197	13	ı			
	9.723 6026	506	9.794 9455	703 704	0.205 0545	9.928 6571	197	12				
_	9.723 6532	507	9.795 0159	703	0.204 9841		197	11	l			
50	9.723 7039	506	9.795 0862		0.204 9138	9.928 6177	197	10	1	195	19	6 19
51	9.723 7545		9.795 1565	703	0.204 8435		197	9	ī	19.	_	9.6 19
	9.723 8051		9.795 2268	704	0.204 7732	9.928 5783	197	8	2	39.	39	30
	9.723 8557	=06	19.795 2972	703	0.204 7028	9.928 5586	197	7	3	58.	5 5	3.8 5
	9.723 9063	506	9.795 3075	703	0.204 6325	9.928 5388	197	6	4	78.		3.4 7
55 56	9.723 9569 9.724 0075		14.745 4.470	703		9.928 5191	197	5	5	97	-, -	3.0 9
57	9.724 0075	505	9.795 5081 9.795 5784	703	0.204 4919	9.928 4994	197	4	6	117		
58	9.724 1086	506	9.793 3704	703	0.204 4210	9.928 4797 9.928 4599	198	3	7 8	136		
59	9.724 1592	506	9.795 7189	702	0.204 2811	9.928 4402	197	2 I	9	175		
フラ	· · · · · · · · · · · · · · · · · · ·	505		703		9.928 4205	197	-	الا	-/3	51 1/C	41 1//
<u>59</u> 60	9.724 2097		19.795 7002									
	9.724 2097 Cos.	d.	9.795 7892 Cotang.	d. c.	Tang.	9.928 4205 Sin.	d.	s.				

			2	1 8	n:										
5.	Sin,	d.	Tang.	d. c.	Cota	ng.	Co	os.	d.	100					
•	9.724 2097	505	9.795 7892	702	0.204	2108	9.928	4205	108	60	l a	1 7	02	70	1
1	9.724 2602	506	9.795 8595	703 703	0.204			4007	198	59	10	1 3	0'2	7	0.1
	9.724 3108	505	9.795 9298	702	0.204			3810	197	58		30 10	10.4		0,5
	9.724 3613 9.724 4118	505	9.796 0000 9.796 0703	703	0.204			3613	198	57			10.0	7.00	0.3
	9.724 4110	505	9.796 1406	703	0.203			3415 3218	197	56			90.8		0'4
	9.724 5128	505	9.796 2108	702	0.203			3020	198	55 54	1	3	1.3		0.6
	9.724 5633	505 505	9.796 2810	702	0.203			2823	197	53			1.4	100	0.7
	9.724 6138	505	9.796 3513	703	0.203				198	52		8 50	1.6	56	0.8
-1	9.724 6643	504	9.796 4215	703	0.203				197	51	1	9 63	31.8	63	0.0
10	9.724 7147	505	9.796 4918	702	0.203	5082	9.928		198	50					
	9.724 7652	504	9.796 5620	702	0,203				198	49			70	00	
	9.724 8156 9.724 8661	505	9.796 6322 9.796 7024	702	0.203			1834	197	48		1	1	0.0	
- 4	9.724 9165	504	9.796 7024	702	0.203			1637 1439	198	47		2		0.0	
	9.724 9669	504	9.796 8428	702	0.203			1241	198	45		3		0.0	
16	9.725 0174	505 504	9.796 9130	702	0.203				198	44		5	1000	0,0	
	9.725 0678	504	9.796 9832	702 702	0.203				198	43		6		0.0	
	9.725 1182	504	9.797 0534	702	0.202				198	42		7		0.0	
1	9.725 1686	503	9.797 1236	702	0.202		<u> </u>		198	41		8	10.0	0.0	
-	9.725 2189	504	9.797 1938	702	0.202		9.928		198	40		9	63	0.0	
	9.725 2693 9.725 3197	504	9.797 2640	701	0.202				198	39					
	9.725 3790	503	9.797 3341 9.797 4 043	702	0.202				198	38 37					
- 6	9.725 4204	504	9.797 4745	702	0.202				198	36	100				
	9.725 4707	50 3	9.797 5446	701 702	0.202				198	35		505	50	-	503
	9.725 5211	503	9.797 6148	701	0.202				198	34	1	20.2		0.4	50'3
	9.725 5714 9.725 6217	503	9.797 6849	702	0.202		9.927	8865	199	33	3	151.2	128	500	100.0
	9.725 6720	503	9.797 7551 9.797 8252	701	0.202	1748		8666 8468	198	32	4	202.0			201.5
_	9.725 7223	50 3		701		1047	9.927	8270	198	31	5	252'5	25	2.0	251'5
	9.725 7726	503	9.797 8953 9.797 9655	702	0.202		9.927	8072	198	30		303.0			301.8
	9.725 8229	503	9.798 0356	701	0.201			7873	199	28	7 8	353'5	35		352'1
33	9.725 8732	503 503	9.798 1057	701	0.201				198	27	9	454'5		3.6	452'7
	9.725 9235	502	9.798 1758	701 701	0.201			7476	199	26	21	1313	1 13.	,	33-1
	9.725 9737 9.726 0240	503	9.798 2459	701	0.201		9.927	7278	199	25		1 5	02	50	10
•	9.726 0742	502	9.798 3160 9.798 3861	701	0.201			7079 6881	198	24	-	_	0.5	-	0.1
	9.726 1245	503	9.798 4562	701	0.201			6682	199	22		0.00	00'4	100	0'2
39	9.726 1747	502	9.798 5263	701	0.201		9.927	6484	198	21			0.6	15	0.3
40	9.726 2249	502	9.798 5964	701	0.201	4036	9.927	6285	199	20		1	8.00		0'4
41	9.726 2751	502 502	9.798 6665	701		3335	9.927	6087	198	19			1.0		0.2
	9.726 3253	502	9.798 7365	700 701	0.201	2635		5888	199	18			1.4	35	0.6
43	9.726 3755	502	9.798 8066	701)	1934		5689	199	17			01.6		0.8
44 45	9.726 4257 9.726 4759	502	9.798 8767 9.798 9467	700	0.201			5490	198	16	1	9 4	1.8	45	0.0
4 6	9.726 5261	502	9.799 9407	701	0.201	0833		5093	199	15					
47	9.726 5762	501 502		700	0.200	9132	9.927	4894	199	13					
	9.726 6264	501	9.799 1569	701 700	0.200	8431	9.927	4695	199	12					
	9.726 6765	502	9.799 2269	700	0.200	7731	9.927	4496	199	11					
	9.726 7267	501	9.799 2969	701	0.200		9.927		199	10		198	19	9	200
51	9.726 7768	501	9.799 3670	700	0.200				199	9	1	19.8		9.9	20.0
::[9.726 8269 9.726 8770	501	9.799 4370	700	0,200				199	8	2	39.6		9.8	40'0
54	9.726 9272	502	9.799 5070 9.799 5770	700	0.200			• •	199	7	3	79'2		9.6	80.0
55	9.726 9773	501	9.799 5770	700	0.200				199	5	5	99.0		5'5	100.0
50	9.727 0273	500	9.799 7170	700	0.200				199	4	6	118.8	110		120'0
57	9.727 0774	501 501	9. 7 99 7870	700 700	0.200	2130	9.927	2904	199	3	7	138.6			1400
201	9.727 1275	501	9.799 8570	700	0.200				200	2	8	158.4			160.0
싫	9.727 1776	500	9.799 9270	700	0.200				199	_1	9	178.2	179) 1	180.0
-	9.727 2276		9.799 9970		0.200	-			10.00	0					
1	Cos.	d.	Cotang.	d.c.	Tan	g.	Si	n.	d,	s,					
			43	⁴ 51	1 224										

4 5 6 7 8 9 10 11 12 13 14	Sin. 9.727 2276 9.727 2777 9.727 3277 9.727 3778 9.727 4278 9.727 4778 9.727 5278 9.727 5778 9.727 6278 9.727 6778 9.727 7278 9.727 7278	d. 500 500 500 500 500 500	Tang. 9.799 9970 9.800 0670 9.800 1370 9.800 2069 9.800 2769 9.800 3469	d. c. 700 700 699 700	Cotang. 0.200 003 0.199 933 0.199 863			d. 199	60		7	00	699
1 2 3 4 5 6 7 8 9 10 11 1 1 1 2 1 3 1 4	9.727 2777 9.727 3277 9.727 3778 9.727 4278 9.727 4778 9.727 5278 9.727 5778 9.727 6278 9.727 6778 9.727 7278	500 501 500 500 500 500	9.800 0670 9.800 1370 9.800 2069 9.800 2769 9.800 3469	700 699	0.199 933		2306	100	60		7	00	699
2 3 4 5 6 7 8 9 10 11 12 13	9.727 3277 9.727 3778 9.727 4278 9.727 4778 9.727 5278 9.727 5778 9.727 6278 9.727 6778 9.727 7278	500 501 500 500 500 500	9.800 1370 9.800 2069 9.800 2769 9.800 3469	700 699									
3 4 5 6 7 8 9 10 11 12 13	9.727 3778 9.727 4278 9.727 4778 9.727 5278 9.727 5778 9.727 6278 9.727 6778 9.727 7278	500 500 500 500	9.800 2069 9.800 2769 9.800 3469					199	59	1		0.0	69.9
4 5 6 7 8 9 10 11 12 13 14	9.727 4278 9.727 4778 9.727 5278 9.727 5778 9.727 6278 9.727 6778 9.727 7278	500 500 500	9.800 2769 9.800 3469	700	0.199 793			200	58 57	3	4 1 2	0.0	139.8
6 7 8 9 10 11 12 13	9.727 5278 9.727 5778 9.727 6278 9.727 6778 9.727 7278	500 500		700	0.199 723			199	56	4	- 0	0.0	279.6
7 8 9 10 11 12 13	9.727 5778 9.727 6278 9.727 6778 9.727 7278	500		699	0.199 653			199	55	5	35	0.0	349'5
8 9 10 11 12 13 14	9.727 6278 9.727 6778 9.727 7278	500	9.800 4168 9.800 4868	700	0.199 583			200	54	7		0.0	489'3
9 10 11 12 13 14	9.727 6778 9.727 7278		9.800 4808	699	0.199 513 0.199 443			199	53 52	8		0.0	559'2
1 I 1 2 1 3 1 4		500	9.800 6267	700	0.199 373		-	200	51	9		0.0	629.1
1 I 1 2 1 3 1 4		500	9.800 6966	699	0.199 303	9.927	0312	199	50				
[3 [4	9.1-1 11101	499	9.800 7665	699 700	0.199 233			199	49	L.	6	8	697
14	9.727 8277	500	9.800 8365	699	0.199 163			200	48	1	6	9.8	69'7
	9.727 8777	499	9.800 9064 9.800 9763	699	0.199 093			200	47	2		9.6	139'4
15	9.727 9276 9.727 9776	500	9.801 0462	699	0.198 953			200	45	3	1000	9'4	209'1
	9.728 0275	499 499	9.801 1161	699	0.198 883	9.926	9114	199	44			9.0	348.5
	9.728 0774	499	9.801 1860	699	0.198 814			200	43	5		8.8	418.3
	9.728 1273 9.728 1772	499	9.801 2559 9.801 3258	699	0.198 744			200	41	7		8.6	487.9
	9.728 2271	499	9.801 3957	699	0.198 604			200	40	8	100	8.4	557°6 627°3
[9.728 2770	499	9.801 4656	699	0.198 534			200	39	9	1 02	021	02/3
	9.728 2770	499	9.801 5355	699	0.198 464			200	38				
23	9.728 3768	499 499	9.801 6053	698 699	0.198 394	9.926	7714	200	37				
	9.728 4267	498	9.801 6752	699	0.198 324			200	36	1	501	500	499
	9.728 4765	499	9.801 7451 9.801 8149	698	0.198 254			200	35	1	50'1	50	
	9.728 5762	498	9.801 8848	699	0.198 115			200	34	2	100'2	100	0 99.8
28	9.728 6260	498 499	9.801 9546	698 699	0.198 045			200	32	- L	150.3	150	
	9.728 6759	498	9.802 0245	698	0.197 975			200	31	100	250'5	250	
_	9.728 7257	498	9.802 0943	699	0.197 905			201	30		300.6	300	
	9.728 7755	498	9.802 1642	698	0.197 835			200	29		350'7	350	
	9.728 8253 9.728 8751	498	9.802 2340 9.802 3038	698	0.197 766 0.197 696			200	28		100.8	400	
	9.728 9249	498 498	9.802 3736	698 699	0.197 626			201	26	91 4	150.0	450	0 449.1
_	9.728 9747	497	9.802 4435	698	0.197 556	9.926	5312	200	25		1 4	8 1	407
	9.729 0244	498	9.802 5133	698	0.197 486			201	24	-		9.8	497
\sim	9.729 0742 9.729 1239	497	9.802 5831 9.802 6529	698	0.197 416 0.197 347			200	23	2		9.6	99'4
	9.729 1737	498	9.802 7227	698 698	0.197 277			201	21	3	111111111	9'4	149'1
40	9.729 2234	497 498	9.802 7925	698	0.197 207	9.926	4310	200	20	4	1 1 2 2 2	9.2	198.8
4 I	9.729 2732	497	9.802 8623	697	0.197 137	9.926	4109	201	19	5		8.8	248.2
	9.729 3229	497	9.802 9320	698	0.197 068			200	18	7	34	8.6	347'9
1	9.729 3726	497	9.803 0018 9.803 0716	698	0.196 998			201	17	8	39	8.4	397.6
	9.729 4720	497	9.803 1414	698	0.196 858			201	15	9	44	8.5	447'3
‡ 6	9.729 5217	497 497	9.803 2111	697 698	0.196 788	9.926	3106	200	14				
17	9.729 5714	497	9.803 2809	697	0.196 719	9.926	2905	201	13				
	9.729 6211	496	9.803 3506 9.803 4204	698	0.196 649. 0.196 579	9.926	2704	201	11				
	9.729 7204	497	9.803 4901	697	0.196 509			201	10	1	199	200	0 201
	9.729 7700	496	9.803 5599	698	0.196 440			201	9		19.0		00 201
52	9.729 8197	497	9.803 6296	697	0.196 370			200	8	2	39.8		0.0 40.5
53	9.729 8693	496 496	9.803 6993	697 698	0.196 300	9.926	1700	201 201	7	3	59'7	60	60.3
	9.729 9189	496	9.803 7691	697	0.196 230			201	6	4	79.6		0.0 80.4
	9.729 9685 9.730 0182	497	9.803 8388 9.803 9085	697	0.196 161: 0.196 091			202	5	5	99 [.] 5	120	
57	9.730 0182	496	9.803 9083	697	0.196 091			201	4		139.3	140	1
58	9.730 1174	496	9.804 0479	697 697	0.195 952			201 201	2		1 59.5	160	0.0 190.8
59	9.730 1669	495 496	9.804 1176	697	0.195 882			201	1	9	179.1	180	o.o 180.è
50	9.730 2165	-	9.804 1873		0.195 812				0				
	Cos.	d.	Cotang.	d.c.	Tang.	Si	n.	d.	s.				
			3"	50	m								

				2	10	111							-			
5.	Sin.	d.	Tar	ng.	d. c.	Cota	ing.	Co	S.	d.						
0	9.730 2165	496	9.804	1873	697	0.195	8127	9.926	0292	201	60			69	6 6	595
1	9.730 2661	496	9.804	2570	697		7430	9.926		201	59	-	I	6	9.6	69'5
	9.730 3157	495	9.804		697			9.925	9889	201	58		2		9'2 1	39'0
	9.730 3652	496	9.804		697	0.195		9.925	9688	201	57		3	20		08.2
	9.730 4148	495	9.804		697	0.195		9.925	9487	202	56	L	4	27	0.	78.0
	9.730 4643 9.730 5138	495	9.804 9.804		696	0.195		9.925		201	55		5	-		47'5
7	9.730 5634	496	9.804		697	0.195		9.925		201	54 53		7	48		86.2
8	9.730 6129	495	9.804		696	0.195	_	9.925	0.40	202	52		8	55		56.0
	9.730 6624	495	9.804		697	0.195	0 1	9.925	8480	201	51		9	62		25'5
10	9.730 7119	495	9.804	8841	697	0.195	1159	9.925	8278	202	50					
11	9.730 7614	495	9.804	9537	696	0.195	0463	9.925	8077	201	49				694	
	9.730 8109	495	9.805		696 697	0.194		9.925	7875	202	48			1	69'	1
	9.730 8603	494 495	9.805		696	0.194		9.925	7674	201	47			2	138	
	9.730 9098	495	9.805		696	0.194		9.925	7472	202	46			3	208	
5	9.730 9593 9.731 0087	494	9.805		697	0.194			7270	201	45			4	277	5
	9.731 0582	495	9.805 9.805		696	0.194		9.925	7069	202	44			5	347	
	9.731 1076	494	9.805		696	0.194	-	9.925	6665	202	43	Х		6	416	
1	9.731 1570	494	9.805		696	0.194		9.925	6463	202	41			7 8	485	
_	9.731 2064	494	9.805		696	0.194		9.925	6261	202	40			9	624	
11	9.731 2558	494	9.805		696	0.194		9.925	6059	202	39			,		
- 1	9.731 3053	495	9.805		696	0.194		9.925	5858	201	38					
	9.731 3546	493	9.805	7891	696	0.194		9.925		202	37					
	9.731 4040	494 494	9.805		696	0.194		9.925		202	30	l i	49	6 1	495	104
	9.731 4534	494	9.805		696	0.194		9.925		202	35	-		_		494
	9.731 5028	494	9.805		696	0.194		9.925		202	34	1 2	49 99	•	49.2	۰: ۱
A 1	9.731 5522 9.731 6015	493	9.806 9.806		696	0.193		9.925 9.925		202	33	3	148		148.2	
. 1	9.731 6509	494	9.806		695	0.193	7935	9.925	4443	203	32 31	4	198		198.0	
0	9.731 7002	493	9.806	2761	696		7239	9.925	4241	202		5	248	0.8	247.5	247
-		493			695	0.193				202	30	6	297	- 1	297.0	
I 2	9.731 7495 9.731 7989	494	9.806 9.806	3456	696	0.193	6544	9.9 25 9.9 25	4039 3837	202	29 28	7	347	2	346.2	
	9.731 8482	493	9.806		695	0.193		9.925		202	27	8	396 446		396.0	
	9.731 8975	493			696	0.193		9.925		203	26	9	440	41	445.2	444
35	9.731 9468	493	9.806		695 695	0.193		9.925	3230	202	25	١.		_ 1		
	9.731 9961	493 493	9.806		695	0.193		9.925		203	24	_	49.		492	491
. n	9.732 0454	492	9.806		696	0.193	2372	9.925	2825	202	23	I	49		49'2	
	9.732 0946	493	9.806		695	, , ,	1676	9.925	_	203	22	2	98		98'4 147'6	98.
_	9.732 1439	493	9.806		695			9.925		202	21	3	147		196.8	
0	9.732 1932	492	9.806		695	0.193	0286	9.925	2218	203	20	5	246		246.0	
1	9.732 2424	493	9.807		695	0.192		9.925	2015	202	19	6	295		295.2	1
3	9.732 2917 9.732 3409	492	9.807 9.807		695	0.192		9.925	1813	203	18	7	345		344'4	
4	9.732 3902	493	9.807		695	0.192		9.925	1408	202	17 16	8	394		393.6	392
5	9.732 4394	492	9.807		695	0.192		9.925		203	15	9	443	3 71	442.8	441
6	9.732 4886	492	9.807	3884	695 694	0.192	6116	9.925	1002	203	14					
7	9.732 5378	492 492	9.807		695			9.925		203	13					
	9.732 5870	492	9.807		695			9.925		203	I 2	l				
	9.732 6362	492	9.807		694			9.925		203	11	١.				,
0	9.732 6854	491	9.807		695			9.925		203	10	_ .	20	—I-	203	204
1	9.732 7345	492	9.807		695	0.192	2643	9.924	9988	202	9 8	I	20		20.3	
	9.732 7837	492	9.807		694			9.924		203		2	40 60	6.6	40.6 60.9	
,	9.732 8329 9.732 8820	491	9.807 9.807		695			9.924 9.924		203	7	3	8c		81.5	
	9.732 9312	492	9.808		694			9.924		203	5	5	101	- 1	101.2	1
ij	9.732 9803	491	9.808	0820	694	0.191		9.924		203	4	6	121		121.8	
1	9.733 0294	491	9.808		695			9.924		203	3	7	141	- 1	142'1	142
`	9.733 0786	492	9.808	2218	694	0.191	7782	9.924	8568	203	2	8	161		162.4	163
	9.733 1277	491	9.808	2912	694 694	0.191	7088	9.924	8365	203 204	1	9	181	.8	182.4	183
	0 722 60	491	9.808	3606	094	0.191	6394	9.924	8161	204	0	l				
1	9.733 1768															
1	Cos.															

			2	⁴ 11	m			n					
s.	Sin.	d.	Tang.	d. c.	THE RESERVE OF THE PERSON NAMED IN	and the same of	Cos.	d.					
0	9.733 1768	491	9.808 3606	I DOM	0.191 6	94 9.92	4 8161	203	60	_	6	94	693
1	9.733 2259	491	9.808 4300	695	0.191 57	and the same of th	4 7958	203	59	1		9'4	69.3
2	9.733 2750	490	9.808 4995	604	0.191 50		4 7755	203	58	2		8.8	138.6
3	9.733 3240	491	9.808 5689 9.808 6383	094	0.191 43		4 7552	1205	57 56	3	1 1 1 1 1 1 1	8.2	207'9
5	9.733 3731 9.733 4222	491	9.808 7077	694	O TOT O		4 7349	204	55	5		7.0	346.5
6	9.733 4712	490	9.808 7770	693	O TOT OF			203	54	6		6.4	415.8
7	9.733 5203	490	9.808 8464	694	0.191 1	36 9.92	4 6739	203	53	7		5.8	4851
8	9.733 5693	491	9.808 9158	694	0.191 08	The second second	4 6535	203	52	8		5.5	554'4
9	9.733 6184	490	9.808 9852	694	0.191 01	_	4 6332	204	51	9	02	4.6	6237
0	9.733 6674	490	9.809 0546	693	0.190 94	-	4 6128	203	50				
2	9.733 7164	490	9.809 1239 9.809 1933	694	0.190 87		4 5925 4 5721		49		_	60	_
3	9.733 7654 9.733 8144	490	9.809 2626	693	0.190 73		4 5518	203	47		1		9.2
4	9.733 8634	490	9.809 3320	694	0.190 66		4 5314	204	46		3		8.4 7.6
5	9.733 9124	490	9.809 4013	694	0.190 59		4 5111		45		4		6.8
6	9.733 9614	490	9.809 4707	693	0.190 52		4 4907	204	44		5		6.0
8	9.734 0104	489	9.809 5400	694	0.190 46		4 4703	203	43	٠			5'2
9	9.734 0593 9.734 1083	490	9.809 6094	693	0.190 30		4 4500	1204	42		7 8		4.4
0	9.734 1572	489	9.809 7480	693	0.190 25	_	4 4092	204	40		9		3.6 2.8
ī	9.734 2062	490	9.809 8173	693	0.190 18	_	4 3888	204	39		9	02	
2	9.734 2551	489	9.809 8867	694	0.190 11		4 3684	204	38				
3	9.734 3040	489	9.809 9560	693	0.190 04			204	37				
4	9.734 3529	489	9.810 0253	693	0.189 97		4 3277	203	36	1	491	49	0 48
5	9.734 4018	489	9.810 0946	693	0.189 90		4 3073	204	35	1	49.1	49	
7	9.734 4507	489	9.810 1639 9.810 2332	693	0.189 83		4 2665		34	2	98.2		0 9
8	9.734 4996 9.734 5485	489	9.810 3025	693	0.189 60		4 2461	204	33 32		47'3	147	
9	9.734 5974	489	9.810 3718	693	0.189 62		4 2256	205	31	4 1	96.4	196	0 19
0	9.734 6463	489	9.810 4410	692	0.189 55	90 9.92	4 2052	204	30		45'5	245	
I	9.734 6951	488	9.810 5103	693	0.189 48	_	4 1848	204	29		94.6	343	10.5
2	9.734 7440	489	9.810 5796	693	0.189 42				28		92.8	392	1
3	9.734 7928	489	9.810 6489	692	0.189 35		4 1440	204	27		41'9		
4	9.734 8417	488	9.810 7181	693	0.189 28				26				
5	9.734 8905 9.734 9393	488	9.810 7874 9.810 8566	692	0.189 21			204	25 24		1 48	88	487
7	9.734 9881	488	9.810 9259	693	0.189 07		-	204	23	1	4	8.8	48.7
8	9.735 0370	488	9.810 9951	692	0.189 00	49 9.92			22	2	9	7.6	97'4
9	9.735 0858	487	9.811 0644	692	0.188 93		4 0214	204	21	3		6.4	146'1
0	9.735 1345	488	9.811 1336	692	o.188 86	64 9.92	4 0010	205	20	4		5.5	194'8
1	9.735 1833	488	9.811 2028	693	0.188 79	72 9.92	3 9805	204	19	5		2.8	292'2
_	9.735 2321	488	9.811 2721	692	0.188 72	79 9.92	3 9601	205	18	7		1.6	340'9
3	9.735 2809 9.735 3296	487	9.811 3413 9.811 4105	692	o.188 65 o.188 58		3 9396	205	17	8	39	0.4	389.6
5	9.735 3784	488	9.811 4797	692	0.188 52	03 9.92	3 8987	204	15	9	43	9.2	438'3
6	9.735 4271	487 488	9.811 5489	692 692	0.188 45	11 9.92	3 8782	205	14				
7	9.735 4759	487	9.811 6181	692	0.188 38	19 9.92	3 8578	205	13				
	9.735 5246	487	9.811 6873 9.811 7565	692	0.188 31	27 9.92	3 8373 3 8168	205	12				
	9.735 5733	487	9.811 8257	692	0.188 17			205	-		1 20	2 1	204
0	9.735 6220	488		692			7963	204	10	-	20	_	204
	9.735 6708 9.735 7195	487	9.811 8949	692	0.188 10	50 0.02	3 7759	205	8	1 2		0.9	40.8
3	9.735 7681	486	9.812 0332	691	0.187 96	68 9.92	7349	203	7	3		0.0	61.5
4	9.735 8168	487	9.812 1024	692 692	0.187 89	76 9.92	7144	205	6	4		1.5	81.6
5	9.735 8655	487	9.812 1716	692	0.187 82	84 9.92	6939	205	5	5	101		102.0
6	9.735 9142	486	9.812 2408	691	0.187 75	92 9.92	6734	205	4		121		122'4
7 8	9.735 9628 9.736 0115	487	9.812 3099 9.812 3791	692	0.187 69			205	3	7 8	162		142.8
9	9.736 0601	486	9.812 4482	691	0.187 55			205	I	9		2.7	183.6
ó	9.736 1088	487	9.812 5174	692	0.187 48			205	0	,			
-	Cos.	d.	Cotang.	d, c.	Tang.	THE RESERVE THE PERSON NAMED IN	in.	d.	s,				
1	COS.												

			2	12	m										
S.	Sin.	d.	Tang.	d. c.	Cota	ng.	Co	s.	d.						
0	9.736 1088	486	9.812 5174	691	0.187	4826	9.923	5914	205	60			69	1	690
I	9.736 1574	486	9.812 5865	691	0.187	4135	9.923	5709	205	59	1	I	6	1.6	69.0
2	9.736 2060	486	9.812 6556	692			9.923		205	58	1	2	138		138.0
3	9.736 2546	486	9.812 7248	691	0.187		9.923		206	57		3	20		207'0
5	9.736 3032	486	9.812 7939	691	0.187		9.923		205	56		4	270		276.0
6	9.736 3518 9.736 4004	486	9.812 8630 9.812 9321	691	0.187		9.923		205	55		5	34.		345.0
7	9.736 4490	486	9.813 0013	692	0.187	470	9.923		205	54 53		7	48		483.0
8	9.736 4976	486 486	9.813 0704	691	0.186		9.923		206	52	3	8	55		552.0
9	9.736 5462	485	9.813 1395	691	0.186		9.923		205	51		9	62		621'0
10	9.736 3947	486	9.813 2086	691	0.186	7914	9.923	3861	206	50					
11	9.736 6433	485	9.813 2777	691	0.186	7223	9.923		205	49			- 1	68	Sq.
12	9.736 6918	485	9.813 3468	691	0.186		9.923	_	206	48			1		8.9
13	9.736 7403	486	9.813 4158	691			9.923		205	47			2		7.8
14	9.736 7889	485	9.813 4849	691	0.186		9.923		205	46			3		6.4
15 16	9.736 8374	485	9.813 5540	691			9.923		206	45			4	27	5.6
17	9.736 8859 9.736 9344	485	9.813 6231 9.813 6922	691		- 0	9.923		205	44			5		4.2
18	9.736 9829	485	9.813 7612	690	0.186		9.923		206	43			6		3'4
19	9.737 0314	485	9.813 8303	691	0.186		9.923		206	41			8		5.3
20	9.737 0799	485	9.813 8993	690	0.186	1007	9.923	_	206	40			9	62	1'2 0'1
21	9.737 1284	485	9.813 9684	691	0.186	_	9.923	_	205	39			,	-	
22	9.737 1768	484 485	9.814 0374	690	1		9.923		206	38					
23	9.737 2253	484	9.814 1065	691			9.923		206	37					
24	9.737 2737	485	9.814 1755	690			9.923		206	36	١,	48	26 1	48	5 484
25	9.737 3222	484	9.814 2446	690	0.185	7554	9.923	0776	206	35					
26	9.737 3706	484	9.814 3136	690			9.923		206	34	1		8.6	•	3·5 48·2
27 28	9.737 4190	485	9.814 3826	690			9.923		206	33	3		7·2 5·8	145	
29	9.737 4675	484	9.814 4516	690			9.923	-	206	32	4		4.4	194	
30	9.737 5159	484	9.814 5206	691	0.185		9.922		206	31	5	-	3.0	242	
_	9.737 5643	484	9.814 5897	690	0.185		9.922		206	30	6		1.6	291	
31 32	9.737 6127 9.737 6611	484	9.814 6587	690			9.922		206	29	7		0.5	339	
	9.737 6611 9.737 7095	484	9.814 7277 9.814 7967	690	0.185		9.922 9.922		206	28 27	8		8.8	388	
34		483	9.814 8657	690	0.185				206	26	9	43	7.4	436	0.2 432.6
35	9.737 8062	484 484	9.814 9347	690			9.922		207	25			_		_
36	9.737 8546	483	9.815 0036	689			9.922		206	24	_	_	48		482
37	9.737 9029	484	9.815 0726	690			9.922		206	23		1		3.3	48.2
38	9.737 9513	483	9.815 1416	690			9.922		207	22		2	-	5.6	96.4
39	9.737 9996	483	9.815 2106	689	0.184		9.922		206	21		3	144	1	144.6
40	9.738 0479	483	9.815 2795	690	0.184	7205	9.922	7684	207	20		5	19 24		192'8 241'0
41	9.738 0962	484	9.815 3485	690	0.184		9.922		206	19		6	28		289.2
42 43		483	9.815 4175	689	0.184		9.922		207	18	ı	7	33		337.4
44 44		483	9.815 4864 9.815 5554	690			9.922 9.922		206	17 16		8	380		385.6
45	9.738 2894	482	0 2	689			9.922		207	15	l	9	43	4'7	433.8
46	9.738 3377	483	9.815 6933	690	0.184	3067	9.922	6445	206	114					
47	9.738 3860	483 483		689 689	0.184	2378	9.922	6238	207	13	l				
48	9.738 4343	482	9.815 8311	690	0.184	1689	9.922	6032	206	I 2					
49		483	9.815 9001	689	0.184		9.922		207	11					
50		482	9.815 9690	689			9.922			10		20	5	20	6 207
51		483	9.816 0379	689	0.183	9621	9.922	5411	207 206	9	1	2	0.2	20	20'7
52		482	9.816 1068	689	0.183	8932	9.922	5205	207	8	2		1.0	41	
53	9.738 6755	482	9.816 1757	689	0.103		9.922		207	7	3	_	1.2	61	
54 55	9.738 7237 9.738 7719	482	9.816 2446	689	0.183	7554	9.922	4791	207	6	4		2.0	82	
.56	9.738 8201	482	9.816 3135 9.816 3824	689	0.183	6176	9.9 22 9.922	4504	207	5	5		2.2	103	
57	9.738 8683	482	9.816 4513	689			9.922		207	4	7		3.2	144	
58	9.738 9165	482	9.816 5202	689			9.922		207		8		4.0	164	
59		482	9.816 5891	689	0.182		9.922		207	2 I	9		4.2	185	
60		482	9.816 6580	689		3420	9.922		207	0				,	
	Cos.	d.	Cotang.	d. c.	Tan	_	Sir		d.	s.					
-				47						_					
_			3	41											

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s.	Sin	١.	d.	Tang.	d. c.	Cotang.	Co	S.	d.							
0	9.739	0129	482	9.816 6580	689	0.183 3420	9.922	3549	207	60	١.		68	9		88
1	9.739		481	9.816 7269	688	0.183 2731			207	59		I		3.9		8.8
2	9.739	2.15(1)	482	9.816 7957	689	0.183 2043			207	58		2	_	.8	-	7.6
3	9.739		481	9.816 8646	689	0.183 1354			207	57		3	200	- 1		6'4
4	9.739		481	9.816 9335	688	0.183 066			208	56		4		.6		5°2 4°0
5	9.739		482	9.817 0023	689	0.182 9977			207	55		5		1 5 3 4		2.8
5	9.739		481	9.817 0712	688	0.182 8600			207	54 53		7	48			1.6
8	9.739		481	9.817 2089	689	0.182 7911			208	52		8		1.5	-	0'4
9	9.739		481	9.817 2777	688	0.182 722		1684	207	51		9	620). I	61	9.5
10	9.739	-	481	9.817 3465	688	0.182 653	9.922	1477	207	50					•.	
11	9.739	_	481	9.817 4154	689	0.182 5840		1269	208	49				68	37	
12	9.739		481	9.817 4842	688	0.182 5158			207	48			1	6	8.7	•
13	9.739		481	9.817 5530	688	0.182 4470	9.922	0854	207	47			2	13	7.4	
14	9.739	6865	481	9.817 6218	689	0.182 3782			208	46			3		6.1	
15	9-739		481	9.817 6907	688	0.182 309			207	45			4	-	4.8	
	9.739		480	9.817 7595	688	0.182 240	The second second		208	44			5		3.2	
17	9.739		480	9.817 8283 9.817 8971	688	0.182 171		-	207	43			6		5. 5	
19	9.739 9.739		481	9.817 9659	688	0.182 034			208	41			7 8		9.6 0.9	
20	-	- 40	480	9.818 0347	688	0.181 965	_	9401	208	40	9		9		8.3	
-	9.739		480	_	688	0.181 896			208	_			,	•	- 3	
21	9.740		480	9.818 1035 9.818 1722	687	0.181 8278			207	39 38						
23	9.740		480	9.818 2410	688	0.181 7590			208	37						
24	9.740		480	9.818 3098	688	0.181 690			208	36	i	A	82	48	T 1	480
25	9.740	2148	480	9.818 3786	687	0,181 6214			208	35	-	_	8.2	_	3 1	48
26	9.740	2628	480 479	9.818 4473	688	0.181 5527			208	34	2		6.4		5.5	96
27	9.740		479	9.818 5161	688	0.181 4839			208	33	3		4.6	144		144
28	9.740	-	480	9.818 5849	687	0.181 415			208	32	4		2.8	19:	1	192
29	9.740	-	479	9.818 6536	688	0.181 3464			208	31	5		1,0	240		240
30	9.740	_	479	9.818 7224	687	0.181 2776	1		208	30	6		9.2	288	3.6	288
31	9.740		480	9.818 7911	688	0.181 2089			208	29	7		7'4	336		336.0
32	9.740		479	9.818 8599	687	0.181 1401			208	28	8	38	5'6	384		384
33	9.740		479	9.818 9286	687	0.181 0712			208	27 26	9	43	3.8	432	9	4320
34	9.740		479	9.819 0661	688	0.180 9339			208	25						•
36	9.740		479	9.819 1348	687	0.180 865			209	24			47	9_	47	
37	9.740		479	9.819 2035	687	0.180 796			208	23		1		.6	4	7.8
38	9.740	-	479	9.819 2722	687 687	0.180 7278			208	22		2		5.8		5.6
39	9.740	8858	479	9.819 3409	687	0.180 6591	9.921	5449	200	21		3		3.7	14	-
10	9.740	9337	479	9.819 4096		0.180 5902	9.921	5240	208	20	1	4	19		19	
11	9.740		478	9.819 4783	687	0.180 5217	9.921	5032		19		5	28		23 28	
12	9.741	-	479	9.819 5470	687	0.180 4530	9.921	4823	209	18		7	33.		334	
13	9.741	0772	478	9.819 6157	687	0.180 3843			200	17		8	38		38:	
14	9.741		479 478	9.819 6844	687	0.180 3150			208	16		9		· 1	439	
	9.741		478	9.819 7531	687	0.180 2460			209	15		-			. •	
6		268	478	9.819 8218	687	0.180 1782			208	14						
17	9'74I 9-74I		479	9.819 8905 9.819 9592	687	0.180 0408			209	13						
19	9.741		478	9.820 0278	686	0.179 9722		-	209	II						
50	9.741	_	478	9.820 0965	687	0.179 903	_	3155	208	10			20	7	20	8
51	-		477	9.820 1652	687	0 170 8245			209	-	-	1	_	7.7		o·8
- 1	9.74I 9.74I		478	9.820 2338	686	0.179 7662			209	98		2		1.4		6٠
- 1	9.741		478	9.820 3025	687	0 170 6071			209	7		3		1.5		2.4
	9.741		478	9.820 3711	686	0.179 628			208	6		4		8.8		3.5
55	9.741	6508	477	9.820 4398	687	0.179 560			200	5		5	10		104	.0
56	9.741	6986	478	9.820 5084	686	0 170 4016			209	4			124		I 24	
57	9.741	7463	477	9.820 5770	687	0.179 4230	9.921	1693	209	3		78	14		145	
	9.741		477 478	9.820 6457	686	0.179 3543			209	2		0.00	16	0.0	166	
-	9.741		477	9.820 7143	686	0.179 2857			209	1		9	180	2.3	187	-
00	9.741	8895	7//	9.820 7829	203	0.179 217	-			0						
	Co	s.	d.	Cotang.	d, c.	Tang.	Si	n.	d.	s.						- 1
				3	46											

			2"	14	nı									
S.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.		d.						
0	9.741 8895	477	9.820 7829	686	0.179 2171	9.921 10	066	209	60		6	86	68	
1	9.741 9372	477	9.820 8515	686	0.179 1485		857	209	59			8.6		8.5
2	9.741 9849	477	9.820 9201	686	0.179 0799		040	209	58			7.2		7.0
	9.742 0326 9.742 0803	477	9.820 9887	687	0.179 0113		220 "	210	57 56		-	4.4		5.2 4.0
	9.742 1280	477	9.821 1260	686	0.178 8740		020	209	55		10.5	3.0		2.2
	9.742 1757	477 476	9.821 1946	686	0.178 8054		SII "	209	54			1.6		1.0
7	9.742 2233	477	9.821 2631	686	0.178 7369	9.920 96	002	209	53			0.2		9.2
8	9.742 2710	476	9.821 3317	686	0.178 6683		393 2	210	52			8.8		8.0 6.2
9	$\frac{9.742\ 3186}{9.742\ 3663}$	477	9.821 4003	686	0.178 5997			209	51		9 61	7'4	O1	05
10		476	9.821 4689	686	0.178 5311	9.920 89		210	50			1 66	2.	
11 12	9.742 4139 9.742 4616	477	9.821 5375 9.821 6060	685	0.178 4625	4.4		209	49 48		-	-	84	
13	9.742 5092	476	9.821 6746	686	0.178 3254		346	209	47		2		8·4 6·8	
	9.742 5568	476 476	9.821 7432	686	0.178 2568	9.920 81	136	200	46		3	_	5.5	
15	9.742 6044	476	9.821 8117	686	0.178 1883		927	210	45		4		3.6	
17	9.742 6520 9.742 6996	476	9.821 8803	685	0.178 1197			210	44		5		2'0	
# A1	9.742 7472	476	9.821 9488	686	0.178 0512	100	208	209	43 42		6	41	0°4 8·8	
19	9.742 7947	475	9.822 0859	685	0.177 9141	9.920 70	088	210	41		7 8		7'2	
20	9.742 8423	476	9.822 1545	686	0.177 8455	9.920 68	878 2	210	40		9		5.6	
21	9.742 8899	476	9.822 2230	685		9.920 66	660	209	39					
22	9.742 9374	475 476	9.822 2915	685		9.920 64	150 4	210	38					
23	9.742 9850	475	9.822 3601	685	0.177 6399		249	210	37					
	9.743 0325 9.743 0801	476	9.822 4286	685		9.920 60	039	209	36	1	477	47	6	475
25 26	9.743 1276	475	9.822 4971 9.822 5656	685	0.177 5029		620 2	210	35 34	I	47.7	47	7.6	47.5
27	9.743 1751	475	9.822 6341	685 685	0.177 3659		410 4	110	33	2	95.4		5.5	95.0
28	9.743 2226	475	9.822 7026	685	0.177 2974		200	210	32	3	143.1	142		142.2
29	9.743 2701	475 475	9.822 7711	685	0.177 2289	1	990 2	210	31	4	190 [.] 8	238		190.0
30	9.743 3176	475	9.822 8396	685	0.177 1604	9.920 47	780	210	30	5	586.5	289		285.0
31	9.743 3651	475	9.822 9081	685	0.177 0919		570	210	2 9	7	333.9	333	3.5	332.2
	9.743 4126	474	9.822 9766	685	0.177 0234		300	210	28	8	381.6	380		380.0
33 34	9.743 4600 9.743 5075	475	9.823 0451	685	0.176 9549 0.176 8864		0301	211	27 26	9	429.3	428	3.4	427.5
35	9.743 5550	475	9.823 1820	684	0.176 8180		720 4	10	25					
	9.743 6024	474 475	9.823 2505	685 685	0.176 7495		519 2	210	24	_		74		73_
37	9.743 6499	474	9.823 3190	684	0.176 6810		309 2	211	23			7.4		7:3
38	9.743 6973	474	9.823 3874	685	0.176 6126 0.176 5441			210	22 21			12.2	-	4.6 1.9
<u>39</u>	9-743 7447	474	9.823 4559	685			- 12	210	20		~ 1 .	9.6		9.5
40	$\frac{9.743}{9.743} \frac{7921}{8396}$	475	9.823 5244	684	0.176 4756	1	12	211			5 2	37.0		6·5
41 42	9.743 8870	474	9.823 5928 9.823 6613	685	0.176 4072		257 4	10	18		l l	34.4		3.8
43	9.743 9344	474	9.823 7297	684	0.176 2703		047	210	17			31.8		8.1 I.I
	9.743 9817	473	9.823 7981	684 685	0.176 2019	9.920 18	836	211	16			79°2 26°6		8·4 5·7
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46 47	9.744 0765 9.744 1239	474	9.823 9350 9.824 0034	684	0.176 0650		204	211	14 13					
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50	9.744 2659	473	9.824 2087		0.175 7913	9.920 05	5721	211	10	- 1	209	21	0	2 I I
51	9.744 3133	474	9.824 2771	684	0.155 5000		3621	210	9	I	20.9	2	1.0	2 I . I
07_	9.744 3606	473	9.824 3455	684 684	0.175 6545	9.920 01	151	2 I I 2 I I	8	2	41.8		2.0	42.2
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3^ 44 ^m	d. s.	a. s.	Sin. 1 d.				đ.	Cos.	
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Co	s.	d.						
٥	9.747 5617	468	9.828 9874	682	0.171 0126	9.918	5742		60		1 6	81	68	So
1	9.747 6085	468	9.829 0556	681	0.170 9444		5529	213	59	1	1 6	8.1	6	8.0
2	9.747 6553	468	9.829 1237	681	0.170 8763	9.918	5316	213	58		2 13	6.2	13	6.0
3	9.747 7021	468	9.829 1918	681	0.170 8082			213	57		3 20	4'3	20	4'0
4	9.747 7489	468	9.829 2599	681	0.170 7401			213	56		20 1 102	2.4		2'0
5	9.747 7957	468	9.829 3280	681	0.170 6720		4677	214	55			0.2		0.0
6	9.747 8425	467	9.829 3961	681	0.170 6039	9.918	4463	213	54			8.6		8.0
7 8	9.747 8892	468	9.829 4642 9.829 5323	681	0.170 5358 0.170 4677	9.918	4037	213	53 52			6.7 4.8		6.0 4.0
9	9.747 9360 9.747 9828	468	9.829 6004	681	0.170 3996			213	51			2'9	50.0	2'0
10	9.748 0295	467	9.829 6685	681	0.170 3315	9.918		214	50		2 11	- , ,	000	22
-		468	9.829 7366	681	0.170 2634			213	-			67	10	
I I I 2	9.748 0763 9.748 1230	467	9.829 7300	681	0.170 2034		3397	214	49			-	_	
u	9.748 1697	467 468	9.829 8727	680	0.170 1273			213	47		1		7'9 5.8	
	9.748 2165	467	9.829 9408	681 681	0.170 0592	9.918	2756	214	46		2		3.7	
15	9.748 2632	467	9.830 0089	680		9.918		213	45		3	1000	1.6	
16	9.748 3099	467	9.830 0769	681	0.169 9231			213	44			1	9.5	
17	9.748 3566	467	9.830 1450	681	0.169 8550			214	43		5	7.5	7'4	
18	9.748 4033	467	9.830 2131	680	0.169 7869			213	42		7	47	5'3	
19	9.748 4500	467	9.830 2811	681	0.169 7189			214	41		8		3.5	
20	9.748 4967	466	9.830 3492	680		9.918		214	40		9	61	1,1	
21	9.748 5433	467	9.830 4172	681	0.169 5828			214	39					
22		466	9.830 4853	680	0.169 5147			213	38					
23	9.748 6366	467	9.830 5533	680	0.169 4467	9.918	0634	214	37					
24 25	9.748 6833 9.748 7299	466	9.830 6213 9.830 6893	680	0.169 3707	0.018	0406	214	36 35		468	46	7_	466
26 26		467	9.830 7574	681	0.169 2426	9.918	0192	214	34	I	46.8	40	5.4	46.6
27	9.748 8232	466 466	9.830 8254	680 680	0.169 1746			214	33	2	93.6		3'4	93'2
28		466	9.830 8934	680	0.169 1066			214	32	3	140'4	140		139.8
29		467	9.830 9614	680	0.169 0386	9.917	9550	214	31	4	187.5	186	1	186.4
30	9.748 9631	466	9.831 0294	680	0.168 9706	9.917	9336	1 .	30	5	234.0 280.8	233		233°0
31		465	9.831 0974	680	0.168 9026	9.917	9122	214	29	7	327.6	326	. !	326.5
32		466	9.831 1654	680	0.168 8346	9.917	8908	214	28	8	374.4	373	- 11	372.8
33	9.749 1028	466	9.831 2334	680	0.168 7666			214	27	9	421'2		2.3	419.4
34		466	9.831 3014	680	0.168 6986			214	26				•	
35		465	9.831 3694	680	0.168 6306		_	215	25		14	65	46	4
36 37	1	466	9.831 4374	680	0.168 5626 0.168 4946		~ -	214	24 23	-		6.2		6.4
38		466	9.831 5054 9.831 5734	680	0.168 4266			214	22			3.0		2.8
39		465	9.831 6413	679	0.168 3587		7409	214	21		1 .	9.5		9.2
40		465	9.831 7093	680	0.168 2907			215	20			6.0	18	5.6
41		466	9.831 7773	680	0.168 2227	9.917		214	19		- 1	2.2		2.0
42		465	9.831 8452	679	0.168 1548		6765	215	18			0.0		8.4
43	1, , , , , , ,	465 465	9.831 9132	680	0.168 0868			214	17			5.2	_	4.8
44	9.749 6148	465	9.831 9811	679 680	0.168 0189	9.917	6336	214	16			2.0 8.2		7.6 1.5
4	9.749 6613	465	9.832 0491	679	0.167 9509	9.917	6122	215	15		9 1 41	~ 5	4,	, ,
46	9.749 7078	465	9.832 1170	680	0.167 8830	9.917	5907	214	14					
47	9.749 7543	464	9.832 1850	679	0.167 8150	9.917	5093	215	I 3					
449	1	465	9.832 2529	68ó	0.167 7471 0.167 6791			214	11					
50		465	9.832 3209	679				215	10	1	212	21	<i>a</i> 1	215
-	- /01	464	9.832 3888	679	0.167 6112			215		- ·	213			
5		465	9.832 4567	679	0.167 5433 0.167 4754	9.917	4610	215	9	1 2	21.3 42.6		2.8	21.2 43.0
[]	9.749 9866 9.750 0330	464	9.832 5246 9.832 5926	68o	0.167 4754			214	7	3	63.9		1.5	64.2
1	9.750 0330	464	9.832 6605	679	0.167 3395			215	6	4	85.5		6	86.0
	9.750 1259	465	9.832 7284	679	0.167 2716			215	5		106.2	10		107.5
1	9.750 1723	464	9.832 7963	679	0.167 2037			215	4	5 6	127.8	128	3.4	129'0
1	9.750 2187	464 464	9.832 8642	679 679	0.167 1358			215	3	7 8	149'1	149		120.2
1	9.750 2651	464	9.832 9321	679	0.167 0679			215	2		170.4	171		172'0
-	9.750 3115	464	9.833 0000	679	0.167 0000			215	1	91	191.7	192	ı ol	193.2
	19.750 3579	774	9.833 0679	-17	0.166 9321	9.917	200		0					
	Cos.	d.	Cotang.	d. c.	Tang.	Si	n.	d.	S.					
			3	43	m									
1				7''					-	_	_	_	_	_

			2"	17	m								
s.	Sin.	d.	Tang.	d.c.	Cotang.	Co	s.	d.					
0	9.750 3579	464	9.833 0679	679	0.166 9321		2900	215	60		16	79	678
ī	9.750 4043	463	9.833 1358	678	0.166 8642			215	59		1	67.9	67.8
	9.750 4506	464	9.833 2036	679	0.166 7964 0.166 7285	9.917	2470	215	58			35.8	135.6
3	9.750 4970	464	9.833 2715 9.833 33 94	679	0.166 6606	0.017	2040	215	57 56		_	71.6	203'4
5	9.750 5434 9.750 5897	463	9.833 4073	679	0.166 5927			215	55			39.5	3390
	9.750 6361	464 463	9.833 4751	678 679	0.166 5249			215	54			07'4	406.8
7	9.750 6824	463	9.833 5430	679	0.166 4570			215	53			75'3	474.6
	9.750 7287	464	9.833 6109 9.833 6787	678	0.166 3891 0.166 3213			216	52			43'2	542'4
	9.750 7751	463	9.833 7466	679	0.166 2534			215	51	,	9 6	11.1	610.5
10	9.750 8214	463	9.833 8144	678	0.166 1856			215	50			1 6-	-
I I I 2	9.750 8677 9.750 9140	463	9.833 8823	679	0.166 1177			216	49 48		_	67	7.7
13	9.750 9603	463 463	9.833 9501	678 678	0.166 0499			215	47		2	13	
14	9.751 0066	463	9.834 0179	679	0.165 9821			215	46		3	20	
	9.751 0529	462	9.834 0858	678	0.165 9142			216	45		4	27	0.8
	9.751 0991	463	9.834 1536	678	0.165 8464 0.165 7786			215	44		5	33	
	9.751 1454 9.751 1917	463	9.834 2893	679	0.165 7107			216	43 42		6	40	
19	9.751 2379	462	9.834 3571	678	0.165 6429			216	41		8	54	
20	9.751 2842	463	9.834 4249	678	0.165 5751	9.916	8593	215	40		9	600	
21	9.751 3304	462 462	9.834 4927	678 678	0.165 5073			216	39				
22	9.751 3766	462	0 804 E60E	678	0.165 4395	9.916	8161	216	38				
23	9.751 4228	463	9.034 0203	678	0.165 3717			215	37				
24	9.751 4691	462	9.834 6961 9.834 7639	678	0.165 3039 0.165 2361			216	36	1	464	1 46	3 46
25 26	9.751 5153 9.751 5615	462	9.834 8317	678	0.165 1683			216	35 34	1	46.4	46	3 46
27	9.751 6077	462 461	9.834 8995	678 678	0.165 1005	9.916	7082	216	33	2	92.8		
28	9.751 6538	462	9.834 9673	677	0.165 0327	9.916	6866	216	32	3	139'2		- 60
29	9.751 7000	462	9.835 0350	678	0.164 9650	· · ·		216	31	4	185.6		
30	9.751 7462	462	9.835 1028	678	0.164 8972			216	30	5	278.4		
31	9.751 7924	461	9.835 1706	678	0.164 8294			216	29	7	324.8		The second second
32	9.751 8385 9.751 8847	462	9.835 2384 9.835 3061	677	0.164 7616			216	28	8	371.5		
33 34	9.751 9308	461	9.835 3739	678	0.164 6261			217	27 26	9	417.6	416	7 415
35	9.751 9770	462 461	9.835 4416	677 678	0.164 5584	9.916	5353	216	25				
36	9.752 0231	461	9.835 5094	677	0.164 4906			216	24	-	_	.61	460
37	9.752 0692	461	9.835 5771	678	0.164 4229			217	23			46.1	46.0
38 39	9.752 1153 9.752 1614	461	9.835 6449 9.835 7126	677	0.164 3551 0.164 2874			216	21			92.3	138.0
35 40	9.752 2075	461	9.835 7804	678	0.164 2196			216	20			84.4	184'0
41	9.752 2536	461	9.835 8481	677	0.164 1519			217	-		5 2	30.2	2300
42	9.752 2997	461 461	9.835 9158	677	0.164 0842		3839	216	18			76.6	276.0
43	9.752 3458	461	9.835 9836	678 677	0.164 0164	9.916	3622	217	17		7 3	58·8	368.0
44	9.752 3919	460	9.836 0513	677	0.163 9487			217	16			14'9	414.0
45	9.752 4379	461	9.836 1190 9.836 1867	677	o.163 8810 o.163 8133	9.916	3189	216	15		, 1 4	4 2 1	
40	9.752 4840 9.752 5300	460	9.836 2544	677	0.163 7456	0.016	2756	217	13				
48 I	9.752 5761	461 460	9.836 3221	677	0.163 6779			217	12				
49	9.752 6221	460	9.836 3898	677 677	0.163 6102			217	11				
50	9.752 6681	461	9.836 4575	677	0.163 5425			217	10		215	216	5 21
51	9.752 7142	460	9.836 5252	677	0.163 4748	9.916	1889	216	9	1	21'5		
52	9.752 7602	460	9.836 5929	677	0.163 4071			217		2	43.0	43	2 43
	9.752 8062 9.752 8522	460	9.836 6606 9.836 7283	677	0.163 3394 0.163 2717			217	7 6	3	86.0		
54 55	9.752 8982	460	9.836 7960	677	0.163 2040	9.916	1022	217	5	4 5	107.2		
56	9.752 9442	460	9.936 8636	676	0.163 1364			217	4	5	129.0		
57	9.752 9901	459 460	9.836 9313	677 677	0.163 0687	9.916	0588	217	3	7	150.5	151	2 151
58	9.753 0361	460	9.836 9990	677	0.163 0010	9.916	0371	217	2	8	172'0	172	
	9.753 0821	459	9.837 0667	676	0.162 9333	9.916	0154	217	_1	9	193.2	194	4 195
υ ο	9.753 1280		9.837 1343		0.162 8657				0	6			
┙	Cos.	d.		d. c.	Tang.	Sin	١,	d.	S.				
			3'										

			2	18	m								
5.	Sin.	d.	Tang.	d. c.		Co	s.	d.					
o	9.753 1280	460	9.837 1343	677	0.162 8657	9.915	9937	217	60		6	76	675
1	9.753 1740	459	9.837 2020	676	0.162 7980	9.915	9720	217	59		1 6	7.6	67.5
	9.753 2199	460	9.837 2696	677	0.162 7304			217	58		2 13	5.2	1350
	9.753 2659	459	9.837 3373	676	0.162 6627			217	57		T. (1)	2.8	202'5
	9.753 3118	459	9.837 4049	677	0.162 5951	9.915	9069	218	56			0'4	270.0
	9.753 3577	459	9.837 4726 9.837 5402	676	0.162 5274 0.162 4598	9.915	8624	217	55			8.0	337'5
7	9.753 4036 9.753 4495	459	9.837 6078	676	0.162 3922			217	54 53			3.2	405.0
8	9.753 49 54	459	9.837 6755	677	0.162 3245		-	217	52			0.8	540'0
9	9.753 5413	459	9.837 7431	676	0.162 2569		-	218	51			8.4	607.5
0	9.753 5872	459	9.837 8107	676	0.162 1893	9.915	7765	217	50				
īī	9.753 6331	459	9.837 8783	676	0.162 1217	-	7547	218	49			67	4
	9.753 6790	459	9.837 9460	677	0.162 0540			217	48		1	_	14
	9.753 7248	458	9.838 0136	676 676	0.161 9864	9.915	7112	218	47		2	134	
4	9.753 7707	459 458	9.838 0812	676	0,161 9188	9.915	6895	217	46		3	202	
5	9.753 8165	459	9.838 1488	676	0,161 8512			217	45		4	260	-
	9.753 8624	458	9.838 2164	676	0.161 7836			218	44		5	337	.,0
7	9.753 9082	458	9.838 2840 9.838 3516	676	0.161 7160			217	43			404	-
	9.753 9540 9.753 9998	458	9.838 4192	676	0.161 6484	9.915		218	42		7	471	
20		459	9.838 4867	675			-	218	41		8	539	
-1	9.754 0457	458		676	5 00	9.915	5589	218	40		9	1 000	, 0
1	9.754 0915	458	9.838 5543 9.838 6219	676	0.161 4457	9.915		217	39				
3	9.754 1373 9.754 1831	458	9.838 6895	676	0.161 3105			218	38 37				
	9.754 2288	457	9.838 7571	676	0.161 2429			218	36		1		
	9.754 2746	458	9.838 8246	675	0.161 1754	9.915	4500	218	35	- -	459	458	_
	9.754 3204	458	9.838 8922	676 675	0.161 1078			218	34	1	45.9	45	
7	9.754 3662	458	9.838 9597	676	0.161 0403			218	33	2	91.8	91	
	9.754 4119	457 458	9.839 0273	676	0.160 9727			218	32	3	137'7 183'6	137 183	
9	9.754 4577	457	9.839 0949	675	0.160 9051	9.915	3628	218	31	5	229.5	229	1 ^
0	9.754 5034	457	9.839 1624	676	0.160 8376	9.915	3410	218	30	6	275.4	274	_
I	9.754 5491	458	9.839 2300	675	0.160 7700			218	29	7	321.3	320	
2	9.754 5949	457	9.839 2975	675	0.160 7025			218	28	8	367.2	366	
3	9.754 6406	457	9.839 3650	676	0.160 6350			219	27	9	413.1	412	2 411
4	9.754 6863	457	9.839 4326 9.839 5001	675	0.160 5674			218	26 25				
	9.754 7320 9.754 7777	457	9.839 5676	675	0.160 4324			218	24		4.	56	455
7	9.754 8234	457	9.839 6351	675	0.160 3649			218	23	-	I 4	5.6	45.2
8	9.754 8691	457	9.839 7027	676	0.160 2973			219	22			1.5	91.0
9	9.754 9148	457	9.839 7702	675	0.160 2298	9.915	1446		2 I		- 1 =	6.8	136.2
ю	9.754 9604	456	9.839 8377	675	0.160 1623	9.915	1228	218	20		. 1	2'4	182.0
ī	9.755 0061	457	9.839 9052	675	0.160 0948	9.915	1009	219	19		٠, ١	8.0	227.5
2	9.755 0518	457	9.839 9727	675	0.160 0273		0791	218	18			3.6	273°0
	9.755 0974	456	9.840 0402	675 675	0.159 9598	9.915	0572	219	17			9.2	364.0
	9.755 1431	457 456	9.840 1077	675	0.159 8923			219	16	ł	, -	0.4	409'5
5	9.755 1887	456	9.840 1752	675	0.159 8248	9.915		219	15		· · ·	• •	
	9.755 2343	456	9.840 2427	675	0.159 7573 0.159 6898	9.914	9910	218	14				
7	9.755 2799	457	9.840 3102 9.840 3776	674	0.159 6224	9.914	9090	219	13				
8	9.755 3256 9.755 3712	456	9.840 4451	675	0.150 5540	9.914		219	11	1			
0	9.755 4168	456	9.840 5126	675	0.159 4874	9.914		218	10	1	218	210	220
		456	9.840 5801	675	0.150.4100			219	9	1	51.8	21	<u> </u>
	9.755 4624 3.755 5080	456	9.840 6475	674	0 150 2525	9.914	8604	219	8	2	43.6	43	
5	3.755 5535 3.755 5535	455	9.840 7150	675	0 150 2850	9.914	8385	219	7	3	65.4	65	·7 66
5	3.755 599I	456	9.840 7825	675	0.150 2175	9.914	8166	219	6	4	87.2	87	6 88
5	9.755 6447	456	9.840 8499	674	0.159 1501	9.914	7947	219	5	5	100,0	109	
5	9.755 6902	455	9.840 9174	675 674	0.159 0826	9.914	7729	219	4		130.8	131	
5	9.755 7358	456	9.840 9848	675	0.159 0152			219	3	7	152.6	153	
5	9.755 7813	455 456	9.841 0523	674	0.150 94//			220	2	8	174'4		
5	9.755 8269	4	9.841 1197	674	0.130 0003			219	1	9	196.2	197	11 190
5	9.755 8724		9.841 1871	l	0.150 0129	9.914	_		0				
•	~	d.	Cotang.	d. c.	Tang.	Si	n.	d.	S.				
	Cos.		3	41					_				

			2/							17.			
s.	Sin.	d.	Tang.	d. c.	Cotang.	Co	5.	d.					
0	9.755 8724	455	9.841 1871	6	0.158 8129	9.914	6852	210	60	1	67		674
1	9.755 9179	455	9.841 2546	675	0.158 7454	9.914	6633	219	59	1		7.5	67'4
2	9.755 9634	455	9.841 3220	674	0.158 6780	9.914	6414	219	58	2		5.0	1348
3	9.756 0089	455	9.841 3894	674 675	0.158 6106	9.914	6195	219	57	3	20	2.2	202'2
4	9.756 0544	455	9.841 4569	674	0.158 5431	9.914	5976	220	56	4	27	0.0	269.6
5	9.756 0999	455 455	9.841 5243	674	0.158 4757	9.914	5756	219	55	5	33	7'5	337'0
6	9.756 1454	455	9.841 5917	674	0.158 4083	9.914	5537	219	54	6		5.0	404'4
7	9.756 1909	455	9.841 6591	674		9.914		219	53	7	47		471'8
8	9.756 2364	454	9.841 7265	674	0.158 2735	9.914		220	52	8	100	0.0	539'2
9	9.756 2818	455	9.841 7939	674	0.158 2061	9.914	4879	219	51	9	00	7'5	606.6
0	9.756 3273	455	9.841 8613	674	0.158 1387	9.914	4660	220	50				
1	9.756 3728	454	9.841 9287	674	0.158 0713	9.914	4440	100	49		-	67	3
2	9.756 4182	454	9.841 9961	674	0.158 0039	9.914	4221	219	48		1	6	7'3
3	9.756 4636	455	9.842 0635	674	0.157 9365	9.914	4001	219	47		2		4.6
4	9.756 5091	454	9.842 1309	674	0.157 8691			220	46		3		1'9
5	9.756 5545	454	9.842 1983	674	0.157 8017			220	45		4	26	9.2
6	9.756 5999	454	9.842 2657	673	0.157 7343	T	-	219	44		5	33	5.2
7	9.756 6453	454	9.842 3330	674	0.157 6670	(C) (C) (C)	Sec. 11.	220	43		6		3.8
8	9.756 6907	454	9.842 4004	674	- · · · · · · · · · · · · · · · · · · ·	9.914		220	42		8	47	
9	9.756 7361	454	9.842 4678	673	0.157 5322	9.914		219	41			53	
0	9.756 7815	454	9.842 5351	674	0.157 4649	9.914	2464	220	40		9	60	5.7
1 2	9.756 8269	454	9.842 6025	674	0.157 3975	9.914	2244	220	39				
22	9.756 8723		9.842 6699	673	0.157 3301	9.914		220	38				
3	9.756 9176	453 454	9.842 7372	674	0.157 2628	9.914	1804	220	37	N. a			
24	9.756 9630	453	9.842 8046	673	0 157 1954	9.914		220	36	1.2	155	45	4 45.
25	9.757 0083	454	9.842 8719	674	0.157 1281	9.914		220	35	_	45'5	45	
26	9.757 0537	453	9.842 9393	673	0.157 0607			220	34	4.00	91.0	90	
7	9.757 0990	454	9.843 0066	673	0.156 9934	9.914		220	33	100	36.2	136	A 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
8	9.757 1444	453	9.843 0739	674	0.156 9261	9.914		220	32	-	82.0	181	
9	9.757 1897	453	9.843 1413	673	0.156 8587	9.914	-	220	31		27'5	227	
0	9.757 2350	453	9.843 2086	673	0.156 7914	9.914	0264	220	30		73.0	272	
1	9.757 2803	453	9.843 2759	673	0.156 7241	9.914	0044	220	29	100	18.5	317	
32	9.757 3256	453	9.843 3432	674	0.156 6568	9.913	9824	220	28	0	64'0	363	- 1
33	9.757 3709	453	9.843 4106	673	0.156 5894			221	27	9 4	09.2	408	6 407
34	9.757 4162	453	9.843 4779	673		9.913		220	26	1000	35.5%		
55	9.757 4615	453	9.843 5452	673	0.156 4548			220	25		1 45	2 1	451
6	9.757 5068	452	9.843 6125	673		9.913		221	24	-	-	-	_
37	9.757 5520	453	9.843 6798	673	0.156 3202			220	23	1	1	5.5	45'1
8	9.757 5973	453	9.843 7471	673	0.156 2529		PT 12	220	22	2		0'4	90'2
39	9.757 6426	452	9.843 8144	673	0.156 1856	9.913		221	21	3		5.6	135'3
to	9.757 6878	452	9.843 8817	673	0.156 1183	9.913	8061	220	20	4		6.0	225'5
1	9-757 7330	453	9.843 9490	673	0.156 0510	9.913	7841	221	19	5	27		270.6
12	9.757 7783	453	9.844 0163	672	0.155 9837	9.913		220	18	7		6.4	3157
13	9.757 8235	452	9.844 0835	673	0.155 9165			221	17	8	36		360.8
14	9.757 8687	452	9.844 1508	673	0.155 8492	9.913	7179	220	16	9	400		405'9
5	9.757 9139	452	9.844 2181	673	0.155 7819	9.913	6959	221	15	1	1	-4	
6	9.757 9591	452	9.844 2854	672	0.155 7146	9.913	0738	221	14				
7	9.758 0043	452	9.844 3526	673	0.155 6474			221	13				
8	9.758 0495	452	9.844 4199	673	0.155 5801			220	12				
19	9.758 0947	452	9.844 4872	672		9.913		221	11		1		730
0	9.758 1399	452	9.844 5544	673	0.155 4456	9.913		221	10		21	-	220
1	9.758 1851	451	9.844 6217	672	0.155 3783	9.913	5634	221	9	1		1.0	22'0
,2	9.758 2302	451	9.844 6889	673	0.155 3111			221	8	2		3.8	440
	9.758 2754	451	9.844 7562	672	0.155 2438			221	7	3		5.4	66'0
	9.758 3205	452	9.844 8234	672	0.155 1766			221	6	4		7.6	88.0
55	9.758 3657	451	9.844 8906	673	0.155 1094			220	5	5	10		110,0
	9.758 4108	452	9.844 9579	672	0.155 0421	9.913	4530	222	4	6		1'4	132'0
7	9.758 4560	451	9.845 0251	672	0.154 9749	9.913	4308	221	3	7 8	15		154.0
	9.758 5011	451	9.845 0923	673	0.154 9077	9.913	4087	221	2			5.5	1760
9	9.758 5462	45.5	9.845 1596	672	0.154 8404			221	1	9	1 19	7.1	198.0
00	9.758 5913	7,7	9.845 2268	- / -	0.154 7732	9.913	3645	100	0	1107			
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30 9.73 31 9.73 32 9.76 33 9.76 33 9.76 36 9.76 37 9.76 38 9.76 40 9.76 41 9.76 44 9.76 45 9.76 46 9.76 47 9.76 48 9.76	59 8515	515 449	9.847 1075	672	0.152 8925	9.912 7440	222	32	3	135		134'7
31 9.75 32 9.76 33 9.76 33 9.76 35 9.76 36 9.76 37 9.76 38 9.76 40 9.76 41 9.76 44 9.76 45 9.76 47 9.76 48 9.76	59 8964	964 449	9.847 1747	671	0.152 8253	9.912 7218	223	31	4	180		179'6 224'5
32 9.76 33 9.76 34 9.76 35 9.76 36 9.76 37 9.76 38 9.76 39 9.77 40 9.76 41 9.76 44 9.76 45 9.76 46 9.76 48 9.76	59 9413	413	9.847 2418	671	0.152 7582	9.912 6995	222	30	5	270		269.4
33 9.76 34 9.76 35 9.76 36 9.76 37 9.76 38 9.76 39 9.76 40 9.76 41 9.76 44 9.76 45 9.76 46 9.76 47 9.76 48 9.76	59 9862	302	9.847 3089	671	0.152 6911	9.912 6773	222	29	7	315	4.30	314'3
34 9.76 35 9.76 36 9.76 37 9.76 38 9.76 39 9.76 40 9.76 41 9.76 44 9.76 45 9.76 46 9.76 47 9.76	60 0311 60 0760	311 440	9.847 3760	671	0.152 6240		222	28	8	360		359'2
35 9.76 36 9.76 37 9.76 38 9.76 39 9.76 40 9.76 41 9.76 43 9.76 44 9.76 45 9.76 46 9.76 47 9.76 48 9.76	60 1208	208 440	9.847 4431 9.847 5102	671		9.912 6329	223	27 26	9	405	.0	404'1
36 9.76 37 9.76 38 9.76 39 9.76 40 9.76 41 9.76 42 9.76 44 9.76 45 9.76 46 9.76 47 9.76 48 9.76	60 1657	657 449	9.847 5773	671	0.152 4227	9.912 5884	222	25			16.	
38 9.76 39 9.76 40 9.76 41 9.76 42 9.76 43 9.76 44 9.76 45 9.76 46 9.76 48 9.76	60 2106		9.847 6444	671	0.152 3556	9.912 5662	222	24		448	3	447
39 9.76 40 9.76 41 9.76 42 9.76 43 9.76 44 9.76 45 9.76 46 9.76 47 9.76 48 9.76	60 2554	334 440	19,04/ /115	671	0.152 2885	9.912 5439	223	23	1	44		44'7
40 9.70 41 9.70 42 9.70 43 9.70 44 9.70 45 9.70 46 9.70 47 9.70 48 9.70	60 3003 60 3451	448	9.847 7786 9.847 8456	670	0.152 2214	9.912 5217	223	22	2	89		89.4
41 9.76 42 9.76 43 9.76 44 9.76 45 9.76 46 9.76 47 9.76 48 9.76	60 3899			671	0.152 1544	9.912 4994	222	21	3	134		134'1
42 9.70 43 9.70 44 9.70 45 9.70 46 9.70 47 9.70 48 9.70	60 4348	2.0 449	0.5.0	671	0.152 0873	9.912 4772	223	20	5	224	-	223'5
43 9-76 44 9-76 45 9-76 46 9-76 47 9-76 48 9-76	60 4796	706 440		671	0.152 0202	9.912 4549 9.912 4327	222	19	6	268	8	268.2
44 9.70 45 9.70 46 9.70 47 9.70 48 9.70	50 5244		0.0	670	0.00	9.912 4104	223	18	7	313		312.9
46 9.76 47 9.76 48 9.76	2-44	092	9,848 1810	671	0.151 8190	9.912 3882	222	16	8	358 493		357 ^{.6}
17 9.79 18 9.70	60 5692	140	9.848 2481	670		9.912 3659	223	15	9	1 403	-1.	1 3
18 9.70	60 5692 60 6140	035 447	9,848 3822	671		9.912 3436	222	14				
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50 9.70	60 5692 60 6140 60 6588 60 7035		9,848 5163	671		9.912 2768	223	11				
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51 9.76	60 5692 60 6140 60 6588 60 7035 60 7483 60 7931 60 8378	378 447	0.0 (671 670	0.151 3496	9.912 2322	223		1 2	2.1	22'	2 22.3
52 9.70	60 5692 60 6140 60 6588 60 7035 60 7483 60 7931 60 8378	378 826 448	9.848 7174	671	0.151 2826	9.912 2099	223	9 8	2 4	4.5	44	4 44.6
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54 9.70	560 5692 560 6140 560 6588 560 7035 560 7483 560 7931 560 8378 560 8826 560 9274 560 9721	931 378 448 826 448 274 447 721	9.848 8515	670	0.151 1485	9.912 1653 9.912 1430	223	6	.4	8.4	1111	1 - 1
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57 9.76	560 5692 560 6140 560 6588 560 7035 560 7483 560 7931 560 8826 560 9274 560 9721 561 0168 561 0616	931 378 448 448 447 721 447 447 616 448 616 448 447	9,848 9185	671		9.912 0984	223	3	7 15	4.2	155.	4 156.1
58 9.7	569 5692 5692 5692 5692 5692 5692 5692 5	931 378 826 448 448 447 447 447 447 447			0.150 8804	9.912 0761	223	2	8 17	6.8	177	6 178.4
Color Colored	560 5692 560 6140 560 6588 560 7035 560 7931 560 8378 560 8826 560 9274 561 0168 561 1063 561 1510 561 1957	378 448 826 448 447 721 447 168 447 616 448 463 447 447 957 447	9,848 9185 9,848 9855 9,849 0526 9,849 1196		10.150 8134	9.912 0538	223	1	9 19	8.9	199.	8 200.7
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S.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.761 2851	447	9.849 2536	670		9.912 0315	223	60	_	-1	70	669
1	9.761 3298	446	9.849 3206 9.849 3876	670	0.150 6794	1	224	59 58	1 2		7.0	66·9
3	9.761 3744 9.761 4191	447	9.849 4546	670	0.150 5454	1	223	57	3		1.0	200.2
4	9.761 4638	447 446	9.849 5216	670 670	0.150 4784	9.911 9422	223	56	4	26	8.0	267.6
5	9.761 5084	447	9.849 5886	670	0.150 4114		223	55	5		2.0	334.2
6	9.761 5531	446	9.849 6556 9.849 7226	670	0.150 3444		224	54 53	6		9.0	401'4 468'3
7 8	9.761 5977 9.761 6424	447	9.849 7896	670	0.150 2104		223	52	8		6.0	535.5
9	9.761 6870	446 446	9.849 8565	669 670	0.150 1435	9.911 8305	223	51	9	60	3.0	602.1
10	9.761 7316	446	9.849 9235	670	0.150 0765	9.911 8081	224	50				
11	9.761 7762	446	9.849 9905	670	0.150 0095		223	49			66	
I 2	9.761 8208	447	9.850 0575	669	0.149 9425 0.149 8756		224	48		1	1 -	5.8
13	9.761 8655 9.761 9100	445	9.850 1244 9.850 1914	670	0.149 8750		223	47 46		2	200	
14	9.761 9546	446	9.850 2584	670 66g		9.911 6963	224	45		3 4	26	•
16	9.761 9992	446 446	9.850 3253	670	0.149 6747		224	44		5	334	t.o
17	9.762 0438	446	9.850 3923	669	0.149 6077		224	43 42	i	6	400	
18 19	9.762 0884	445	9.850 4592 9.850 5262	670	0.149 5408 0.149 4738		223	41		7 8	534	
20	9.762 1329 9.762 1775	446	9.850 5931	669	0.149 4069		224	40		9	60	
21	9.762 2220	445	9.850 6600	669	0.149 3400		224	39		-	•	
22	9.762 2666	446	9.850 7270	670 669	0.149 2730	9.911 5396	224	38				1
23	9.762 3111	445 445	9.850 7939	669	0.149 2061		224	37				
24	9.762 3556	445	9.850 8608 9.850 9278	670	0.149 1392		224	36 35	_	147	44(415
25 26	9.762 4001	446	9.850 9278	669	0.149 0722		224	34	1	44.7	44	
27	9.762 4892	445	9.851 0616	669 669	0.148 9384	9.911 4276	224	33	2	89.4	89	
28	9.762 5337	445 445	9.851 1285	669	0.148 8715	9.911 4051	224	32		78·8	133 178	
29	9.762 5782	444	9.851 1954	669	0.148 8046		224	31		23.2	223	1 1
30	9.762 6226	445	9.851 2623	669	0.148 7377	9.911 3603	224	30	6 2	68.3	267	
31	9.762 6671	445	9.851 3292 9.851 3961	669	0.148 6708		224	29 28		12.9	31 2 356	
32 33	9.762 7116 9.762 7561	445	9.851 4630	669		9.911 2930	225	27		57.6		
34	9.762 8005	444 445	9.851 5299	669 669	0.148 4701		224	26	 	٥.	•	., .
35	9.762 8450	444	9.851 5968	669	0.148 4032		224	25		1 44	14	443
36	9.762 8894	445	9.851 6637 9.851 7306	669	0.148 3363		224	24 23	1	-	4.4	44'3
37 38	9.762 9339 9.762 9783	444	9.851 7975	669	0.148 2025		225	22	2		8.8	88.6
39	9.763 0227	444	9.851 8644	669 668	0.148 1356	9.911 1584	224	21	3		3.5	132.0
40	9.763 0671	444	9.851 9312	669	0.148 0688	9.911 1359	225	20	4		7.6	177°2 221°5
41	9.763 1115	444 444	9.851 9981	669	0.148 0019		224	19	5		6.4	265.8
42	9.763 1559	444	9.852 0650	668	0.147 9350 0.147 8682		225	18	7		0.8	310.1
43 44	9.763 2 003 9.763 244 7	444	9.852 1318 9.852 1987	669	0.147 8013		225	16	8		5.5	354'4
45	9.763 2891	444	9.852 2655	668 669	0.147 7345		224	15	9	1 39	9.6	398.7
46	9.763 3335	444 444	9.852 3324	669	0.147 6676	9.911 0011	225	14				
47	9.763 3779	443	9.852 3993	66 8	0.147 5007	9.910 9786 9.910 9561	225	13				
48 49	9.763 4222 9.763 4666	444	9.852 4661 9.852 5329	668	0.147 4671		225	11				
50	9.763 5109	443	9.852 5998	669	0.147 4002		225	10	1:	223	224	225
<u>5</u> ° 51	9.763 5553	444	9.852 6666	668	0.147 3334	9.910 8886	225	9	1	22.3	22	4 22.2
52	9.763 5996	443	9.852 7335	669 668	0.147 2665	9.910 8661	225	8	2	44.6	44	8 45
53	9.763 6439	443 443	9.852 8003	668	0.147 1997	9.910 8436	225	7	3	89.3	67 80	- 1
54	9.763 6882	444	9.852 8671	668	0.147 1329	9.910 8211 9.910 7986	225	5	4 5 1	11.2	89	
55 56	9.763 7326 9.763 7769	443	9.8 52 9339 9.8 53 0008	669		9.910 7761	225	4	6 1	33.8	134	4 135°c
57	9.763 8212	443	9.853 0676	668 668	0.146 9324	9.910 7536	225	3	7 1	56.1	156	.8 157
58	9.763 8655	443 443	9.853 1344	668		9.910 7311	اممتا	2 I	8 1	78.4	179	
	9.763 9098	442	9.853 2012	668	0.146 7988		226	- o	9 2	JU 7	201	01 202 5
60	9.763 9540	-	9.853 2680	- L		9.910 6860 Sin.	d.					
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	ı u.	s.				
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4 9,764 1311 443 9,853 5352 568 59,764 2196	5.8 5.5 7.2 5.9 5.6
5 9-764 1753 442 9.853 6620 668 679 6764 2638 8 9-764 3688 442 9.853 7356 688 688 0.146 3312 9.910 5508 226 52 54 670 67	5 9 6
6 6 9.764 2638 8 9.764 3080 9 9.764 3823 10 9.764 4849 13 9.764 5291 14 9.765 7637 31 9.764 6616 17 9.764 6616 17 9.764 7058 18 9.764 7058 18 9.764 7058 18 9.764 7058 18 9.764 7058 18 9.764 7058 18 9.764 7058 18 9.765 1911 20 9.764 9265 23 9.765 1911 29 9.765 1911 20 9.765 1911 20 9.765 5875 31 9.765 5875 31 9.765 5875 31 9.765 5875 31 9.765 7657	·6
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23 9.764 9706 441 9.854 8036 668 8704 9.855 8704 9.855 3774 441 9.855 3404 9.85	
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28 9.765 1911 441 9.855 1372 668 9.910 0.539 226 32 31 132'9 132'0	88.2
29 9.765 2352 441 9.855 2040 9.855 2707 441 9.855 3374 440 9.855 3374 440 9.855 34041 9.909 34041 9.855 34041 9.85	132.3
30 9.765 2793 441 9.855 3374 440 9.855 3374 440 9.855 34041 9.855 34041 9.855 34041 9.855 34041 9.855 34041 9.855 34081 9.855	176.4 220.5
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	9.769 7832	434 434	9.862 1242	664 664		8758	9.907		230	47	0		2	132	
	9.769 8266	434	9.862 1906	663	0.137	8094	9.907		229	46	и		3	198	
- 7	9.769 8700	434	9.862 2569	664		7431	9.907		230	45			4	264	1.8
17	9.769 9134 9.769 9567	433	9.862 3233 9.862 3897	664	0.137	6767	9.907		230	44			5	331	
۱ ۱	9.770 0001	434	9.862 4560	663		5440	9.907	5440	231	43			6	397	
19	9.770 0434	433 434	9 862 5224	664 663	the state of the s	4776	9.907	5210	230	41			8	520	
20	9.770 0868		9.862 5887	664	0.137	4113	9.907	4980	230	40			9	599	
21	9.770 1301	433 433	9.862 6551	663		3449	9.907	_	230	39	u				
22	9.770 1734	433	9.862 7214	664		2786	9.907	4520	230	38					
23 24	9.770 2167	434	9.862 7878	663	0.137		9.907		231	37					
24 25	9.770 2601 9.770 3034	433	9.862 8541 9.862 9205	664		1459 0795	9.907 9.907		230	30		43	35	434	433
26	9.770 3467	433	9.862 9868	663 663	0.137		9.907	3599	230	35 34	1		3.2	43	
27	9.770 3900	433 432	9.863 0531	664	0.136		9.907	3368	231 230	33	2		7:0	86	
28	9.770 4332	433	9.863 1195	663	0.136		9.907		231	32	3	_	0.2 4.0	130	
29 20	9.770 4765	433	9.863 1858	663	0.136		9.907	2907	230	31	5		7.5	217	
30	9.770 5198	433	9.863 2521	663		7479	9.907	2677	231	30	6		1.0	260	
31 32	9.770 5631 9.770 6063	432	9.863 3184	664	0.136	-	9.907		230	29 28	7		4.2	303	1 - 2
~	9.770 6496	433	9.863 3848 9.863 4511	663	0.136	0	9.907	1985	231	20 27	8		8.0	347	
34	9.770 6928	432	9.863 5174	663 663	0.136		9.907	1754	231	26	91	39	1.2	390	.6 389.7
	9.770 7361	433 432	9.863 5837	663	0.136		9.907		230 231	25	ŀ				
36 37	9.770 7793	432	9.863 6500	663	0.136		9.907		231	24	-	.	43		431
	9.770 8225 9.770 8658	433	9.863 7163 9.863 7826	663	0.136	-	9.907	0822	230	23		1 2		3°2	43°1 86°2
39	9.770 9090	432	9.863 8489	663	0.136		9.907	0601	231	21	ŀ	3	120		129'3
40	9.770 9522	432	9.863 9152	663	0.136	_	9.907	0370	231	20		4	17		172'4
41	9.770 9954	432	9.863 9815	663 663	0.136		9.907	0139	231	19		5	210		215.5
42	9.771 0386	432	9.864 0478	663	0.135	9522	9.906		23I 23I	1 Ś	l	- 1	30:		258·6 301·7
43	9.771 0818	432 431	9.864 1141	662		8859	9.906		231	17	l	7 8	34		344.8
44 45	9.771 1249 9.771 1681	432	9.864 1803 9.864 2466	663	0.135		9.906		231	16	l	9	388	8.8	387.9
46	9.771 2113	432	9.864 3129	663	0.135				231	15 14					
47	9.771 2545	432	9.864 3792	663 662	0.135	6208	9.906	8753	231 231	13					
48	9.771 2976	431 432	9.864 4454	663	0.135	5546	9.906	8522	231	12					
49	9.771 3408	43I	9.864 5117	663	0.135				232	11	١.				
50 51	9.771 3839	431	9.864 5780	662	0.135		9.906		231	10	_ .		30	231	
1	9.771 4270	432	9.864 6442	663	0.135	3558	9.906		231	9 8	ľ		3.0	23	-
,	9.771 4702 9.771 5133	431	9.864 7105 9.864 7767	662	0.135				231	7	3		6.0	46 69	1 : :
Ĺ	9.771 5564	431	9.864 8430	663	0.135		9.906	7134	232	6	4		2.0	92	-1
	9.771 5995	431	9.864 9092	662	0.135	0908	9.906	6903	231	5	5	ΙÍ	5.0	115	.2 116.0
,	9.771 6426	431 431	9.864 9755	662	0.135	0245	9.906	6671	232 231	4	6		8.0	138	
t	9.771 6857	431	9.865 0417	663	0.134	9583	9.906	6440	232	3	7 8		1.0	161	
	9.771 7288 9.771 7719	431	9.865 1080 9.865 1742	662	0.134				231	2 1	9		4°0 7°0	184 207	
)	9.771 8150	4.21	9.865 2404	662	0.134				232	0	اوا		, ~	/	y, 200 c
-	Cos.	d.	Cotang.	d. c.	Tan		9,900 Si	-	d.	s.	d.				
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Γ			2'	25	nı								
s.	Sin.	d.	Tang.	d. c.	Cotang.	C	os.	d.					
0	9.771 8150	430	9.865 2404	663	0.134 759	619.906	5745	227	60		66	2	66 I
1	9.771 8580	430	9.865 3067	662	0.134 693	3 9.906	5514	231	59	_	1 6	6.3	66.1
2	9.771 9011	431 431	9.865 3729	662	0.134 627			232	58				132.5
3	9.771 9442	430	9:865 4391	662	0.134 560			232	57		- ا ^ت	- 1	198.3
4	9.771 9872 9.772 0303	431	9.865 5053 9.865 5715	662	0.134 494 0.134 428			232	56		: I		264'4 330'5
5	9.772 0733	430	9.865 6378	663	0.134 362			232	55 54				396.6
7	9.772 1163	430	0.86E 7040	662 662	0.134 296		4124	231	53				462°7
8	9.772 1593	430 431	9.003 7702	662	0.134 229			232	52		8 52		528.8
9	9.772 2024	430	9.865 8364	662	0.134 163			232	51		9 59	5.8	59 4 '9
10	9.772 2454	430	9.865 9026	662	0.134 097	4 9.906	3428	232	50	l			
11	9.772 2884	430	9.865 9688	662	0.134 031			232	49			660	_
12	9.772 3314	430	9.866 0350	662	0.133 965		2964	232	48		1	66	
13	9.772 3744	430	9.866 1012 9.866 1674	662	0.133 898 0.133 832			232	47		2	132	
14	9.772 4174 9.772 4603	429	9.866 2335	661	0.133 766	510.006	2268	232	46		3	198	
15 16	9.772 5033	430	9.866 2997	662 662	0.133 700			232	45 44		4	264 330	
17	9.772 5463	430	9.866 3659	662	0.133 634		1804	232	43		5 6	396	
18	9.772 5892	429 430	9.866 4321	662	0.133 567	9 9.906	1571	233	42		7	462	ю.
19	9.772 6322	430	9.000 4903	661	0.133 501	7 9.906	1339	232	41		8	528	о.
20	9.772 6751		9.866 5644	662	0.133 435	6 9.906	1107	232	40	ŀ	9	594	•о
21	9.772 7181	430 429	9.866 6306	662	0.133 369	4 9.906	0875	233	39				
22	9.772 7610	429	9.866 6968	661	0.133 303			232	38				
23	9.772 8039	429	9.866 7629	662	0.133 237		0410	233	37				
24	9.772 8468	430	9.866 8291 9.866 8953	662	0.133 170			232			431	430	429
25 26	9.772 8898 9.772 9327	429	9.866 9614	661	0.133 104			232		ī	42:1	43	
27	9.772 9756	429	9.867 0276	662	0.132 972			233		2	86.2	86.	
28	9.773 0185	429	0 867 0027	661 662	0.132 906	3 9.905		233	20	3	129.3	129	
29	9.773 0613	428	9.867 1599	661	0.132 840	1 9.905		232	21	4	172.4	172	
30	9.773 1042	429	9.867 2260	661	0.132 774	0 9.905	8782		20	5	215.5 258.6	215°	
31	9.773 1471	429	9.867 2921	662	0.132 707	9 9.905	8550	232		7	301.7	301.	1
32	9.773 1900	429 428	9.867 3583	661	0.132 641		8317	233	28	8	344.8	344	-
33	9.773 2328	429	9.867 4244	661	0.132 575			233	27	9	387.9		
34	9.773 2757	428	9.867 4905	662	0.132 500			232	26				
35	9.773 3185 9.773 3614	429	9.867 5567 9.867 6228	661	0.132 443			~33			1 4	28	427
36 37	9.773 4042	428	9.867 6889	661	0.132 311			233	24 23	-	I 4	2.8	42.7
38	9.773 4470	428	9.867 7550	166 I	0.132 245			1233	22			5.6	85.4
39	9.773 4898	428	9.867 8211	662	0.132 178			233	21		3 12		138.1
40	9.773 5327	429	9.867 8873		0.132 112	7 9.905	6454	1	20				170.8
41	9.773 5755	428 428	9.867 9534	661	0.132 046	-	6221	233	19	ĺ			213°5 256°2
42	9.773 6183	428	9.868 0195	661	0.131 980			233	18	İ	. 1 -		256.3 298.9
43	9.773 6611	428	9.868 0856	661	0.131 914	4 9.905	5755	233	17				341 [.] 6
44	9.773 7039	427	9.868 1517	661	0.131 848			222	16		1 0 :		384.3
45	9.773 7466 9.773 7894	428	9.868 2178 9.868 2839	661	0.131 782			223	15			•	-
46 47	9.773 7094	428	9.868 3500	661	0.131 710			254	14 13				
48	9.773 8749	427		660	0.131 584	0 9.909	4580	233					
49	9.773 9177	428	~ 868 48av	661	0.131 517			-33		ŀ			
50	9.773 9605	428	9.868 5482	661	0.131 451			234	10		231	232	233
51	9.774 0032	427	0.868 6142	661	0.131 385		3889	233	9	ī	23.1	23.	2 23'3
52	9.774 0459	427	9.868 6804	661 660	0 7 2 7 2 7 6	6 9.905	3656	-33	8	2	46.5	46	4 46.
53	9.774 0887	428 427	9.868 7464	661	0.131 253	6 9.905	3422	222	7	3	69.3	69.	6 6c
54	9.774 1314	427	19.000 0125	661	0.131 187			234	6	4	92.4	92.	
55	9.774 1741	427	9.868 8786	660	0.131 121			233	5	5	115.2	116.	
	9.774 2168	427	9.868 9446	661	0.131 055			1	4		161.2	162	1 2
57 58	9.774 2595 9.774 3022	427	9.869 0107 9.869 0768	661	0.130 989			233		7 8	184.8	185	**
59	9.774 3022	427	9.869 1428	660	0.130 857			234	1	9	207.9		
60	9.774 3876	427	9.869 2089	661	0.130 791		1787	234	-	 	• /		
Ë	Cos.	d.	Cotang.	d. c.	Tang.		in.	 	s.				
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	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.		ľ				
0	9.774 3876	427	9.869 2089	660	0.130 7911	9.905 1787	222	60		16	60	6	59
ı	9.774 4303	426	9.869 2749	661	0.130 7251	9.905 1554	233	59		1	96.0	6	5'9
	9.774 4729	427	9.869 3410	660		9.905 1320	234	58		7	32'0		1.8
	9.774 5156	427	9.869 4070 9.869 4731	661		9.905 1086	234	57		200	98.0		7.7
5	9.774 5583 9.774 600 9	426	9.869 5391	660		9.905 0852	234	56 55	3		30.0		3.6
6	9.774 6436	427	9.869 6051	660	0.130 3949	9.905 0384	234	54			6.0	-	5'4
7	9.774 6862	426 426	9.869 6712	660	0.130 3288		234	53		1 3	2'0	-	1.3
8	9.774 7288	427	9.869 7372	660	0.130 2628	9.904 9916	234	52	18	8 5	8.0	52	7'2
9	9.774 7715	426	9.869 8032	660	0.130 1968	9.904 9682	234	51	16	9 5	4.0	59	3.1
9	9.774 8141	426	9.869 8692	661	0.130 1308	9.904 9448	234	50					
1	9.774 8567	426	9.869 9353	660	0.130 0647	9.904 9214	234	49			6		
2	9.774 8993	426	9.870 0013	660		9.904 8980	234	48		1	6	5.8	
3	9.774 9419	426	9.870 0673 9.870 1333	660		9.904 8746 9.904 8512	234	47		2	10.00	1.6	
5	9.774 9845 9.775 0271	426	9.870 1993	660		9.904 8278	234	46		3		7'4	
6	9.775 0697	426 425	9.870 2653	660 660	0.129 7347		235	45		4	0.00	3.5	
7	9.775 1122	426	9.870 3313	660	0.129 6687		234	43		5		9.0 4.8	
8	9.775 1548	426	9.870 3973	660	0.129 6027	9.904 7575	234	42		7		0.6	
9	9.775 1974	425	9.870 4633	660	0.129 5367	9.904 7341	235	41	п	8	52	6'4	
0	9.775 2399	426	9.870 5293	660	0.129 4707	9.904 7106	234	40		9	59	2'2	
1	9.775 2825	425	9.870 5953	660	0.129 4047	9.904 6872	235	39					
2	9.775 3250	426	9.870 6613	660		9.904 6637	234	38					
3	9.775 3676	425	9.870 7273 9.870 7933	660		9.904 6403	235	37					
:5	9.775 4101 9.775 45 2 6	425	9.870 8593	660	0.129 2067	9.904 6168	234	35		427	42	6	425
16	9.775 4951	425	9.870 9252	659	0.129 0748	9.904 5699	235	34	1	42'7	43	2.6	42
7	9.775 5376	425 425	9.870 9912	660 660	0.129 0088	9.904 5464	235	33	2	85'4		5.5	85
8	9.775 5801	425	9.871 0572	659	0.128 9428	9.904 5230	234	32	3	128'1	12		127
19	9.775 6226	425	9.871 1231	660	0.128 8769	9.904 4995	235	31	4	170'8	100		212
30	9.775 6651	425	9.871 1891	660	0.128 8109	9.904 4760	235	30	5	256.5	1		255
31	9.775 7076	425	9.871 2551	659	0.128 7449	9.904 4525	234	29	7	298'9	100		297
32	9.775 7501	425	9.871 3210	660	0.128 6790	9.904 4291	235	28	8	341.6	340	8.0	340
33 34	9.775 7926 9.775 8350	424	9.871 3870 9.871 4529	659	0.128 6130		235	27 26	9	384.3	38	3'4	382
35		425	9.871 5189	660		9.904 3821 9.904 3586	235	25					
36		424 425	9.871 5848	659		9.904 3351	235	24		1 4	24	4	23
37	9.775 9624	425	9.871 6508	660	0.128 3492	9.904 3116	235	23	-	1 .	12'4		2.3
38		425	9.871 7167	660	0.128 2833	9.904 2881	235	22			84.8		4.6
<u>39</u>		424	9.871 7827	659	0.128 2173	9.904 2646	235	21		-	27.2		6.9
40		424	9.871 8486	659	0.128 1514	9.904 2411	235	20		201	12.0		9.2
41	1777: -3	424	9.871 9145	660	0.128 0855	9.904 2176	236	19		-	54'4		3.8
42 42		424	9.871 9805	659	0.128 0195	9.904 1940	235	18	113		6.8		6.1
43 44		424	9.872 0464 9.872 1123	659	0.127 9536 0.127 8877	9.904 1705	235	17 16		-	39'2		8.4
45		424	9.872 1783	660		9.904 1235	235	15		9 3	81.6	38	0.4
	9.776 3441	424	9.872 2442	659	0.127 7558	9.904 0999	236	14	К				
47	9.776 3865	424	9.872 3101	659 659	0.127 6899	9.904 0764	235 235	13					
48		423	9.872 3760	659	0.127 6240	9.904 0529	236	12					
49	9.776 4712	424	9.872 4419	659	0.127 5581	9.904 0293	235	11	Ι,				
50		423	9.872 5078	659	0.127 4922	9.904 0058	236	10	_	234	23	_	236
51	9.776 5559	424	9.872 5737	659	0.127 4263	9.903 9822	235	9	1	23'4	2	3.2	23
	19.770 5903	423	9.872 6396	659	0.127 3604	9.903 9587	236	8	2	46.8		0.0	70
í	9.776 6406 9.776 6830	424	9.872 7055 9.872 7714	659	0.127 2945	9.903 9351	236	7 6	3	93.6		1.0	94
;	9.776 7253	423	9.872 8373	659		9.903 8880	235	5	4 5	117.0			118
;	9.776 7676	423	9.872 9032	659	0.127 0968	9.903 8644	236	4	5	140'4	14	1.0	141
	9.776 8099	423	9.872 9691	659	0.127 0309	9.903 8408	236	3	7	163.8	164	1.2	165
1	9.776 8523	424 423	9.873 0350	659 659	0.126 9650	9.903 8173	235 236	2	78	187'2	188	3.0	188
3	9.776 8946	423	9.873 1009	600	0.126 8991	9.903 7937	236	_1	9	210.6	211	1.2	212
١	9.776 9369		9.873 1668		0.126 8332		-30	0					
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.	1				
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s.	Sin.	d.	Tang.	d. c.	Cota		Co)S.	d.		1					
0	9.776 9369	422	9.873 1668	658	0.126	8332	9.903	7701	236	60			65	9 1	65	8
ī	9.776 9792	423 422	9.873 2326	659	0.126	7674	9.903	7465	236	59	1	1	6	5'9	6	5.8
2	9.777 0214	423	9.873 2985	659	0.126				236	58		2	13	1.8	13	1.6
3	9.777 0637	423	9.873 3644	658	0.126				236	57		3		7.7		7'4
4	9.777 1060 9.777 1483	423	9.873 4302 9.873 4961	659			9.903 9.903		236	56		4		3.6		3.5
5	9.777 1905	422	9.873 5620	659	0.126				236	55 54		5	1	9°5		9'0 4'8
7	9.777 2328	423	9.873 6278	658	0.126	3722	9.903		236	53	Ш	7	-	1.3		0.6
8	9.777 2750	422 423	9.873 6937	659 658	0.126		9.903	• • •	236	52		8	-	7'2		6.4
9	9.777 3173	423	9.873 7595	659	0.126	2405	9.903	5577	236	51		9	59	3.1	59	2'2
10	9.777 3595	422	9.873 8254	658	0.126	1746	9.903	5341	236	50	1					
11	9.777 4017	422	9.873 8912	659	0.126		9.903		237	49				65	7	
I 2	9.777 4439	422	9.873 9571	658	,		9.903		236	48			1	6	5'7	
13	9.777 4861	423	9.874 0229	659	0.125				236	47			2	13	1'4	
14 15	9.777 5284 9.777 5706	422	9.874 0888 9.874 1546	658	0.125				237	46			3	19		
16	9.777 6128	422	9.874 2204	658	0.125		9.903		236	45 44			4	26:	-	
17	9.777 6549	421	9.874 2863	659	0.125				236	43			5	394		
18	9.777 6971	422 422	9.874 3521	658 658	0.125			-	237 236	42			7	450		
19	9.777 7393	422	9.874 4179	659	0.125	5821	9.903	3214	237	41			8	52		
20	9.777 7815		9.874 4838	658	0.125	5162	9.903	2977	100.7	40			9	59		
21	9.777 8236	421	9.874 5496	658	0.125				236	39						
22	9.777 8658	421	9.874 6154	658			9.903		237	38						
23	9.777 9079	422	9.874 6812	658			9.903		236	37						
24 25	9.777 9501 9.777 9922	421	9.874 7470 9.874 8128	658			9.903 9.903		237	36	1	42	3	42	2	421
26	9.778 0344	422	9.874 8786	658	0.125				237	35 34	1	4	2.3	42	.2	42'1
27	9.778 0765	421	9.874 9444	658		•	9.903		237	33	2	8.	4.6	84		84'2
28	9.778 1186	42 I 42 I	9.875 0102	658 658			9.903		236	32	3		6.9	126	2.4	126
29	9.778 1607	421	9.875 0760	658	0.124	9240	9.903	0847	237	31	4		9.2	168		168.4
30	9.778 2028		9.875 1418	658	0.124	8582	9.903	0610	237	30	5	21		253		2526
31	9.778 2449	421 421	9.875 2076	658	0.124	7924	9.903	0373	237	29	7		6.1	295		2947
32	9.778 2870	421	9.875 2734	658			9.903		237 237	28	8		8.4	337		336.8
33	9.778 3291	421	9.875 3392	658			9.902		237	27	9	- 12	0.4	17.7		378.9
34 35	9.778 3712 9.778 4132	420	9.875 4050 9.875 4708	658	0.124		9.902 9.902		237	26						
35 36	9.778 4553	421	9.875 5365	657	0.124		9.902		237	25 24		- 1	42	0	41	19
37	9.778 4974	421	9.875 6023	658	0.124		9.902	8950	238	23		1	4	2.0	4	1.0
38	9.778 5394	420 421	9.875 6681	658 658	0.124		9.902		237	22		2	8	4'0	8	3.8
<u> 39</u>	9.778 5815	420	9.875 7339	657	0.124	2661	9.902	8476	237	21		3		6.0		5'7
40	9.778 6235	421	9.875 7996	658	0.124	2004	9.902		1000	20		4		8.0		7.6
4 I	9.778 6656	420	9.875 8654	658	0.124		9.902		237	19	Ш	5		2'0		9°5
42	9.778 7076	420	9.875 9312	657	0.124		9.902		237	18		7	-	4.0		3.3
43	9.778 7496 9.778 7916	420	9.875 9969	658	0.124		9.902		238	17	113	8	33	6.0	7	2.5
44 45	9.778 8336	420	9.876 0627 9.876 1284	657	0.123	9373 8716	9.902 9.902		237	16		9	37	8.0	37	
46	9.778 8756	420	0 876 1042	658			9.902	6815	237	14						
47	9.778 9176	420	9.876 2599	657			9.902		238	13						
	9.778 9596	420	17.515 3-31	658	0.123	6743	9.902	6339	238	12						
49	9.779 0016	420	9.876 3914	658	0.123				237 238	11						
50	9.779 0436	420	9.876 4572	657	0.123		9.902			10		23	6	237	7	238
51	9.779 0856	419	9.876 5229	657			9.902		237 238	9	1		3.6	23		23.8
52	9.779 1275	420	9.876 5886	658	0.123	4114	9.902	5389	238	8	2		7.2	47		47.6
53	9.779 1695	419	9.876 6544	657	0.123	3456	9.902	5151	238	7	3		8.0	71		71.4
54 55	9.779 2114 9.779 25 34	420	9.876 7201 9.876 7858	657	0.123	2799	9.902 9.902	4913	237	6	4	111	4'4	94		110.0
	9.779 2534	419	9.876 8515	657 657	0.700		9.902		238	5	5	14		142	- 1	1428
57	9.779 2933	420	9.876 9173	658			9.902		238	3		16		165		166.6
58	9.779 3792	419	9.876 9830	657			9.902		238	2	7 8	188	8.8	189		190'4
59	9.779 4211	419	9.877 0487	657	0.122	9513	9.902	3724	238	1	9	21:		213		214'2
	9.779 4630	419	9.877 1144	657	0.122	8856	9.902	3486	238	0	1					
	Cos.	d.	Cotang.	d. c.	Tan		Sir		d.	5.						
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.				
0	9.779 4630		9.877 1144			9.902 3486		60		656	655
ī	9.779 5049	419	9.877 1801	657	0.122 8199	9.902 3248	238	59	1	65.6	65'5
2	9.779 5468	419	9.877 2458	657 657	0.122 7542	9.902 3010	238	58	2	131'2	131.0
3	9.779 5887	419	9.877 3115	657	0.122 6885	9.902 2772	238	57	3	196.8	196'5
4	9.779 6306	419	9.877 3772	657	0.122 6228	9.902 2534	238	56	4	262'4	262.0
5	9.779 6725 9.779 7144	419	9.877 4429 9.877 5086	657	0.122 5571	9.902 2296	238	55	5	328.0	327'5
7	9.779 7563	419	9.877 5743	657	0.122 4914 0.122 4257	9.902 2058 9.902 1819	239	54	7	393'6	393.0
8	9.779 7981	418	9.877 6400	657	0.122 3600	9.902 1581	238	53 52	8	524.8	524'0
9	9.779 8400	419	9.877 7057	657	0.122 2943	9.902 1343	238	51	9	590'4	589.5
10	9.779 8818		9.877 7714	657	0.122 2286	9.902 1104	239	50		31, 27	
11	9.779 9237	419	9.877 8371	657	0.122 1629	9.902 0866	238	49			
12	9.779 9655	418	9.877 9027	656 657	0.122 0973		238	48			
13	9.780 0073	419	9.877 9684	657	0.122 0316		239 238	47			
14	9.780 0492 9.780 0910	418	9.878 0341 9.878 0998	657		9.902 0151	239	46			
15 16	9.780 1328	418	9.878 1654	656	0.121 9002	9.901 9912	238	45			
17	9.780 1746	418	9.878 2311	657		9.901 9435	239	44			
18	9.780 2164	418 418	9.878 2968	657	0.121 7032	9.901 9196	239	42		418	417
19	9.780 2582	418	9.878 3624	656	0.121 6376	9.901 8958	238	41	1	41.8	41.7
20	9.780 3000	418	9.878 4281		0.121 5719	9.901 8719	239	40	2	83.6	83.4
21	9.780 3418	418	9.878 4937	656	0.121 5063	9.901 8480	239	39	3	125'4	125'1
22	9.780 3836	417	9.878 5594	656	0.121 4406	9.901 8242	238	38	4	167.2	166.8
23	9.780 4253	418	9.878 6250	657	0.121 3750		239	37	6	209'0	208.2
24 25	9.780 4671 9.780 5088	417	9.878 6907 9.878 7563	656	0.121 3093	9.901 7764	239	36	7	292.6	291'9
26	9.780 5506	418	9.878 8220	657	0.121 1780	9.901 7525 9.901 7286	239	35	8	334'4	333.6
27	9.780 5923	417	9.878 8876	656	0.121 1124	9.901 7047	239	33	9	376'2	375'3
28	9.780 6341	417	9.878 9533	657 656	0.121 0467	9.901 6808	239	32			
29	9.780 6758	417	9.879 0189	656	0.120 9811	9.901 6569	239	31			
<u>30</u>	9.780 7175	417	9.879 0845	656	0.120 9155	9.901 6330	239	30			
31	9.780 7592	418	9.879 1501	657	0.120 8499	9.901 6091	239	29			
32 33	9.780 8010 9.780 8427	417	9.879 2158 9.879 2814	656	0.120 7842	9.901 5852	239	28		416	415
34	9.780 8844	417	9.879 3470	656	0.120 7186	9.901 5613	239	27	1	41'6	41'5
35	9.780 9261	417	9.879 4126	656	0.120 5874	9.901 5134	240	25	2	83'2 124'8	83'0
36	9.780 9677	416	9.879 4782	656 657	0.120 5218	9.901 4895	239	24	3	166'4	166'0
37	9.781 0094	417	9.879 5439	656	0.120 4561	9.901 4656	239	23	5	208.0	207'5
38	9.781 0511 9.781 0928	417	9.879 6095	656	0.120 3905	9.901 4416	239	22	6	249'6	249'0
<u>39</u>	9.781 1344	416	9.879 6751	656	0.120 3249	9.901 4177	239	21	7	291'2	290'5
40	9.781 1761	417	9.879 7407	656	0.120 2593	9.901 3938	240	20	8	332'8	332.0
41 42	9.781 1701	416	9.879 8063 9.879 8719	656	0.120 1937	9.901 3698	239	18	9	374'4	373'5
43	9.781 2594	417	9.879 9375	656	0.120 0625	9.901 3459	240	17			
44	9.781 3010	416 417	9.880 0031	656 656	0.119 9969	9.901 2980	239	16			
45	9.781 3427		9.880 0687	655		9.901 2740	240 240	15			
46	9.781 3843 9.781 4259	416	9.880 1342	1 - 7 - 7	0.119 8658	9.901 2500	239	14			
	9.781 4675	416	9.880 1998	656	0.119 8002	0.001 2021	240	13			
49	9.781 5091	416	9.880 3310	656	0.119 7340	9.901 1781	240	12			
50	9.781 5507	416	9.880 3966	656	0.119 6034	9.901 1541	240	10		239	240
51	9.781 5923	416	9.880 4621	655	0.110 5270		239	-	<u> </u>	23.0	24'0
52	9.781 6339	416	9.880 5277	656			240	9	2	47.8	480
53	9.781 6755	416 415	9.880 5933	656 6 5 6	0.110 4062	9.901 0822	240	7	3	71.7	72'0
	9.781 7170	415	9.880 6589	655	0.119 3411	9.901 0582	240	6	4	95.6	96.0
55	9.781 7586 9.781 8002	416	9.880 7244	656		9.901 0342	240	5	5	119.5	120'0
57	9.781 8417	415	9.880 7900 9.880 8555	655	OTTO TAKE	9.901 0102	240	4	6	143'4	168.0
58	9.781 8833	416	9.880 9211	656		9.900 9622	240	3	8	101.3	192'0
59		415	9.880 9866	655	0.119 0134	4 - 5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	240	I	9	215.1	216.0
_	9.781 9664	416	9.881 0522	656	water the same of	9.900 9142	240	0	-	-1000	
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
٥	9.781 9664	415	9.881 0522	655	0.118 9478		241	60	_ _	656	655	654
ī	9.782 0079	415	9.881 1177	656	0.118 8823		240	59	I	65.6	65.5	
2	9.782 0494 9.782 0909	415	9.881 1833 9.881 24 88	655	0.118 7512	9.900 8661 9.900 8421	240	58 57		131.5	131.0	
3	9.782 1324	415	9.881 3144	656 655	0.118 6856	9.900 8181	240 241	56	4	262'4	262.0	261.6
5	9.782 1739	415 415	9.881 3799	656	0.118 6201	9.900 7940	240	55		328.0	327'5	
6 7	9.782 2154	415	9.881 4455 9.881 5110	655	0.118 5545	9.900 7700 9.900 7460	240	54 53		393 [.] 6	393°C	
8	9.782 2984	415	9.881 5765	655	0.118 4235	9.900 7219	241 240	52		524.8	524	523.2
9	9.782 3399	415	9.881 6420	655 656	0.118 3580		241	<u>51</u>	9 !	590'4	589.5	588.6
10	9.782 3814	414	9.881 7076	655	0.118 2924	9.900 6738	240	50				
11	9.782 4228	415	9.881 7731 9.881 8386	655	0.118 2269 0.118 1614	9.900 6498 9.900 6257	241	49 48				
12 13	9.782 4643 9.782 5058	415	9.881 9041	655	0.118 0959	9.900 6016	241 240	47				
14		414 415	9.881 9696	655	0.118 0304		241	46	ì			
15	9.782 5887	414	9.882 0351	656	0.117 9649	9.900 5535 9.900 5294	241	45				
16 17	9.782 6301 9.782 6715	414	9.882 1007 9.882 1662	655		9.900 5294	240	44 43				
18	9.782 7129	414	9.882 2317	655 655	0.117 7683	9.900 4813	24 I 24 I	42	_	4	15	414
19	9.782 7544	414	9.882 2972	655	0.117 7028	9.900 4572	241	41	I		1.2	41'4
20	9.782 7958	414	9.882 3627	655	0.117 6373	9.900 4331	241	40	3		3°0	82.8 [24.2
2 I	9.782 8372	414	9.882 4282	655	0.117 5718	9.900 4090 9.900 3849	241	39 38	4	1 -		165.6
22 23	9.782 8786 9.782 9200	414	9.882 4937 9.882 5591	654	0.117 4409	9.900 3608	241	37	5	20	7.5	207.0
24		414 413	9.882 6246	655	0.117 3754	9.900 3367	24 I 24 I	36	6	, ,	- 1	248'4 289'8
25		414	9.882 6901	655	0.117 3099	9.900 3126	241	35	8		٠,	331. 5
26 27		414	9.882 7556 9.882 8211	655	0.117 2444 0.117 1789	9.900 2885 9.900 2644	241	34 33	9	1 00		372.6
28		413	9.882 8866	655	0.117 1134	9.900 2403	24 I 24 I	32		-		
29	9.783 1682	414 413	9.882 9520	654 655	0.117 0480	9.900 2162	242	31	Ì			
30	9.783 2095	414	9.883 0175	655	0.116 9825	9.900 1920	241	30				
31	9.783 2509	413	9.883 0830	654	0.116 9170	9.900 1679	241	29 28		1 41	3	412
32 33	9.783 2922 9.783 3336	414	9.883 1484 9.883 2139	655	0.116 7861	9.900 1438 9.900 1197	241	27			1.3	41.5
34		413	9.883 2794	655 654	0.116 7206	9.900 0955	242 241	26	2		2.6	82'4
35	9.783 4162	413 413	9.883 3448	655	0.116 6552		242	25	3	1		23.6
36 37	9.783 4575 9.783 4988	413	9.883 4103 9.883 4757	654	0.116 5897 0.116 5243	9.900 0472	241	24 23	5		- 1	64.8 66.0
38	9.783 5401	413	9.883 5412	655 654	0.116 4588	9.899 9989	242 241	22	6		I I	47'2
39		413 413	9.883 6066	655	0.116 3934	9.899 9748	242	21	7	. 1		88.4
40	9.783 6227	413	9.883 6721	654	0.116 3279	9.899 9506	242	20	8	1 00		329°6 370'8
4 I		413	9.883 7375	655	0.116 2625	9.899 9264 9.899 9023	241	19	,	1 31	• / [3	,,,,,
42 43		412	9.883 8030 9.883 8684	654	0.116 1970 0.116 1316	9.899 8781	242	17				
44	9.783 7878	413 412	9.883 9338	654 655	0.116 0662	9.899 8539	242 241	16				
45	9.783 8290	413	9.883 9993	654		9.899 8298	242	15	l			
	9.783 8703 9.783 9115	412	9.884 0647 9.884 1301	654	0.115 9353	9.899 8056 9.899 7814	242	14 13	Ī			
	9.783 9528	413	9.884 1956	655	0.115 8044	9.899 7572	242	12				
49	9.783 9940	412 412	9.884 2610	654 654	0.115 7390		242 242	11				1
50	9.784 0352	412	9.884 3264	654	0.115 6736	9.899 7088	242	10	_ _	240	241	242
51	9.784 0764	413	9.884 3918	654	0.115 6082	9.899 6846	242	9	1 2	24.0 48.0	24°1 48°2	
	9.784 1177 9.784 1589	412	9.884 4572 9.884 5227	655	0.115 5428	9.899 6604 9.899 6362	242		3	72.0	72.3	72.6
54	9.784 2001	412	9.884 5881	654	0.115 4119	9.899 6120	242	7 6	4	96.0	96'4	96.8
55	9.784 2413	412 411	9.884 6535	654 654	0.115 3465	9.899 5878	242 242	5		120'0	120.5	. 1
56	9.784 2824	412	9.884 7189	654		9.899 5636 9.899 5 393	243	4		144'0 168'0	144.6	
57 58	9.784 3236 9.784 3648	412	9.884 7843 9.884 8497	654		9.899 5151	242	2	8	1920	192.8	193.6
59	9.784 4060	412	9.884 9151	654	0.115 0849	9.899 4909	242		9 :	216.0	216.9	217.8
60	9.784 4471	411	9.884 9805	654		9.899 4667	242	°				1
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.				i
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.784 4471	412	9.884 9805	654	0.115 0195	9.899 4667	243	60			553	652
I	9.784 4883	411	9.885 0459	654	0.114 9541	9.899 4424	242	59	1	I	65.3	65'2
2	9.784 5294	412	9.885 1113	653	0.114 8887	9.899 4182	243	58		40 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A	30.6	130.4
3	9.784 5706	411	9.885 1766	654	0.114 8234	9.899 3939	242	57			95'9	195.6
4	9.784 6117	411	9.885 2420	654	0.114 7580		243	56			61.5	260.8
5	9.784 6528	412	9.885 3074	654	0.114 6926		242	55	W		26.2	326.0
6	9.784 6940	411	9.885 3728 9.885 4382	654	0.114 6272	9.899 3212	243	54		10	91.8	391'2
8	9.784 7351	411	9.885 5035	653	0.114 4965	9.899 2727	242	53 52	13		22.4	521.6
9	9.784 8173	411	9.885 5689	654	0.114 4311	9.899 2484	243	51			87.7	586.8
0	9.784 8584	411	9.885 6343	654	0.114 3657	9.899 2241	243	50		2 . 3		3
-		411		654		9.899 1999	242	-				
2	9.784 8995	411	9.885 6997 9.885 7650	653	0.114 3003	9.899 1756	243	49 48				
3	9.784 9406	411	9.885 8304	654		9.899 1513	243	47				
4	9.785 0228	411	9.885 8957	653		9.899 1270	243	46				
5	9.785 0638	410	9.885 9611	654		9.899 1027	243	45				
6	9.785 1049	411	9.886 0264	653		9.899 0784	243	44				
7	9.785 1459	410	9.886 0918	654	0.113 9082	9.899 0541	243	43				
8	9.785 1870	410	9.886 1572	653	0.113 8428	9.899 0298	243	42	l a	1 4	11	410
19	9.785 2280	411	9.886 2225		0.113 7775	9.899 0055	243	41	1	1	41'1	41'0
20	9.785 2691		9.886 2878	653	0.113 7122	9.898 9812	100	40		2	82.2	82.0
T	9.785 3101	410	9.886 3532	654	0.113 6468	9.898 9569	243	39		3 1	23'3	123.0
22	9.785 3511	410	9.886 4185	653		9.898 9326	243	38			64'4	164'0
:3	9.785 3922	411	9.886 4839	654	0.113 5161	9.898 9083	243	37	1.5		05.2	205.0
4	9.785 4332	410 410	9.886 5492	653	0.113 4508	9.898 8840	243	36		W 1 1 1 2 2	46.6	246.0
25	9.785 4742	410	9.886 6145	653 654	0.113 3855	9.898 8597	244	35		2	87.7	287.0
6	9.785 5152	410	9.886 6799	653	0.113 3201	9.898 8353	243	34			28.8	328'0
7	9.785 5562	410	9.886 7452	653		9.898 8110	243	33		9 3	69.9	369'0
	9.785 5972	410	9.886 8105	653		9.898 7867	244	32				
9	9.785 6382	409	9.886 8758	653	0.113 1242		243	31				
30	9.785 6791	410	9.886 9411	654	0.113 0589	9.898 7380	244	30				
3 I	9.785 7201	410	9.887 0065	653		9.898 7136	243	29		- 2		
32	9.785 7611	409	9.887 0718	653		9.898 6893	244	28		4	109	408
	9.785 8020	410	9.887 1371	653		9.898 6649	243	27		1	40'9	40.8
34	9.785 8430	409	9.887 2024	653		9.898 6406	244	26	13	201	81.8	81.6
35	9.785 8839	410	9.887 2677	653		9.898 6162	243	25		-	22.7	122'4
	9.785 9249 9.785 9658	409	9.887 3330	653	0.112 6017	9.898 5919	244	24	Nó	100	63.6	163'2
37 38	9.786 0067	409	9.887 3983 9.887 4636	653		9.898 5431	244	23	10	2 1 2	04.2	204'0
39	9.786 0476	409	9.887 5289	653	0.112 4711	9.898 5187	244	21			45'4 86'3	244'8 285'6
	9.786 o886	410	9.887 5942	653	0.112 4058	9.898 4944	243	20			27.2	326'4
10		409		653			244	-			68.1	367.2
11	9.786 1295	409	9.887 6595	653	0.112 3405		244	18	10	913	90.0	3-1-
12	9.786 1704	409	9.887 7248 9.887 7901	653	0.112 2/52	9.898 4456 9.898 4212	244	100				
13	9.786 2113 9.786 2522	409	9.887 8554	653	0.112 1446		244	17				
14 15	9.786 2930	408	0.887 0206	652		9.898 3724	244	15				
6	9.786 3339	409	0.887 0850	653	O TTO DIAL	0 808 2480	244	LA				
7	9.786 3748	409	9.888 0512	053		9.898 3236	244	13				
8	9.786 4157	409	9.888 1165		0.111 8835	9.898 2992	244	12				
19	9.786 4565	400	9.888 1817	652	0.111 8183	9.898 2748	244	11				
50	9.786 4974	409	9.888 2470	653	0.111 7530		244	10	1	243	24	4 245
	9.786 5382	408	9.888 3123	653		9.898 2259	245	9	1	24		1'4 24'
`	9.786 5791	4041	9.888 3775	652	0.111 6225	9.898 2015	244	8	2	48.6		8 49
	9.786 6199	400	9.888 4428	653	0.111 5572	9.898 1771	244	7	3	72.0	7	3.2 73
	9.786 6607	400	9.888 5081	653		9.898 1527	244	6	4	97		98.
	9.786 7016		9.888 5733	652	0.111 4267	9.898 1282	245	5	5	121	12:	5.0 I55.
- 5	9.786 7424	408	9.888 6386	653 652	0.111	9.898 1038	244 244	4		145.	140	
- 1	9.786 7832	408	9.888 7038	653		9.898 0794	245	3	7	170		
ı	9.786 8240	408	9.888 7691	652		9.898 0549	244	2	8	194'4	19	
,	9.786 8648	408	9.888 8343	653		9.898 0305	245		91	218.	219	9.6 220.
	9.786 9056	455	9.888 8996	-33		9.898 0060	-43	0				
		d.	Cotang.	d. c.	Tang.	Sin.	d.	S.				
1	Cos.	٠.	0				_	_				

			2	, 31	nı 						
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.				
0	9.786 9056	408	9.888 8996	652	0.111 1004	9.898 0 060	244	60		652	651
ı	9.786 9464	408	9.888 9648	653	0.111 0352	9.897 9816	244	59	1	65.2	65.1
	9.786 9872	407	9.889 0301	652		9.897 9571	245 245	58	2	130.4	130'2
- 1	9.787 0279	408	9.889 0953	652		9.897 9326	244	57	3		1 -50
	9.787 0687	408	9.889 1605	653		9.897 9082	245	56	4	٠ .	1 .
	9.787 1095	407	9.889 2258	652		9.897 8837	245	55	5		1
- 1	9.787 1502 9.787 1910	408	9.889 2910 9.889 3562	652	0.110 7090	9.897 8592	245	54		1 37: -	1 - 7
	9.787 2317	407	9.889 4214	652	0.110 0438		244	53	1 8		
	9.787 2724	407	9.889 4867	653	0.110 5133		245	52 51		7	
	9.787 3132	408	9.889 5519	652	0.110 4481	9.897 7613	245	-	,	, 1 300 0	1 303 9
		407		652			245	50	İ		
	9.787 3539 9.787 3946	407	9.889 6171 9.889 6823	652	0.110 3829		245	49			
	9.787 4353	407	9.889 7475	652		9.897 7123	245	48			
14	9.787 4760	407	9.889 8127	652		9.897 6878 9.897 6633	245	47 46	l		
15	9.787 5167	407	9.889 8780	653		9.897 6388	245	45			
1	9.787 5574	407	9.889 9432	652	0.110 0568	9.897 6143	245	44			
17	9.787 5981	407	9.890 0084	652		9.897 5898	245	43	Ī		
18	9.787 6388	407	9.890 07 36	652		9.897 5652	246	42	l	408	407
19	9.787 6795	407 407	9.890 1388	652	0.109 8612		243	41	-	40.8	-
20	9.787 7202		9.890 2040	1 -	0.109 7960	9.897 5162	245	40		81.6	1
21	9.787 7608	406	9.890 2692	652	0.109 7308		245	<u>-</u> 39	3	3 122'4	122.1
22	9.787 8015	407	9.890 3343	651	0.109 6657		246	38	4		162.8
23	9.787 8421	406	9.890 3995	652		9.897 4426	245	37	!	204.0	
24	9.787 8828	407 406	9.890 4647	652		9.897 4181	245 246	36	(
25	9.787 9234	406	9.890 5299	652	0.109 4701		245	35		285.6	
	9.787 9640	407	9.890 5951	652	0.109 4049		246	34	8	1	
27	9.788 0047	406	9.890 6603	651	0.109 3397		245	33	9	367.2	366.3
	9.788 0453	406	9.890 7254	652	0.109 2746		246	32			
29	9.788 0859	406	9.890 7906	652	0.109 2094		246	31			
30	9.788 1265	406	9.890 8558	652	0.109 1442		245	30			
31	9.788 1671	406	9.890 9210	651	0.109 0790		246	29			
32	9.788 2077	406	9.890 9861	652	0.109 0139		246	28	_	406	405
33	9.788 2483	406	9.891 0513	652	0.108 9487	9.897 1970	246	27	1	40.6	40.2
34	9.788 2889 9.788 3295	406	9.891 1165	651	0.108 8835		245	26	4	81.3	81.0
35 36	9.788 3701	406	9.891 1816 9.891 2468	652	0.108 8184 0.108 7532		246	25	3	121.8	121.2
37	9.788 4106	405	9.891 3119	651		9.897 1233 9.897 0987	246	24	4		162.0
3 8	9.788 4512	406	9.891 3771	652		9.897 0741	246	23 22	8	203.0	
39	9.788 4917	405	9.891 4422	651	0.108 5578	9.897 0495	246	21		1	
	9.788 5323	406	9.891 5074	652	0.108 4926		246	 20	1 2		
41	9.788 5728	405	$\frac{9.891}{9.891}$ 5725	651	0.108 4275		246	I—I	,	1 2.1	
42	9.788 6134	406	9.891 6377	652		9.896 9757	246	19 18	Ι,	, , J-J-	, 5-45
43	9.788 6539	405	9.891 7028	651		9.896 9511	246	17			
44	9.788 6944	405	9.891 7679	651		9.896 9265	246	16			
45	9.788 7349	405	9.891 8331	652	0.108 1669	9.896 9019	246	15			
46	9.788 7754	405 406	9.891 8982	651	0.108 1018	9.896 8772	247 246	14			
47	9.788 8160	405	9.891 9633	652	0.108 0367	9.896 8526	246	13	ŀ		
48	9.788 8565	404	9.892 0285	651		9.896 8280	247	12			
	9.788 8969	405	9.892 0936	651		9.896 8033	246	11		_	
	9.788 9374	405	9.892 1587	651	0.107 8413		246	10	_ _		45 24
	9.788 9779	405	9.892 2238	652	0.107 7762		247	9	1		4.5 24
	9.789 0184	405	9.892 2890	651		9.896 7294	246	8	2		19'0 4
	9.789 0589	404	9.892 3541	651		9.896 7048	247	7 6	3		3.5 7
	9.789 0993	405	9.892 4192	651		9.896 6801	246		4		8.0 9
	9.789 1398 9.789 1802	404	9.892 4843	651		9.896 6555	247	5			22'5 12
	9.789 1802	405	9.892 5494 9.892 6145	651		9.896 6308	246	4			7'0 147
	9.789 2207	404	9.892 6796	651		9.896 6062 9.896 5815	247	3			6.0 10
	9.789 3016	405	9.892 7447	651		9.896 5568	247	2 I		219 6 22	6'0 19 0'5 22
- 7	9.789 3420	404	9.892 7447	651	0.107 1902		247		וען	-19 0 22	.0 51 42
601					IU.IU7 1002	10 AOD 5721		0			
60				1			 , 	_			
60	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s.			

			2"	32	m							
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.	Г				
0	9.789 3420	404	9.892 8098	651	0.107 1902	9.896 532	1 246	60		6	50	649
1	9.789 3824	404	9.892 8749	651	0.107 1251	9.896 507		59		1 (65.0	64'9
2	9.789 4228 9.789 4632	404	9.892 9400 9.893 0051	651	0.107 0600		247	58		25	30.0	129.8
3	9.789 5036	404	9.893 0702	651	0.106 9949		247	57 56		7/1	0.0	1947
5	9.789 5440	404 404	9.893 1353	651	0.106 8647	9.896 408	7 247	55			25.0	324.2
	9.789 5844	404	9.893 2004	651	0.106 7996	9.896 384	0 24/	54		- 1 -	90.0	389.4
7	9.789 6248	404	9.893 2655	651	0.106 7345	9.896 359		53			55.0	454'3
-	9.789 6652 9.789 7056	404	9.893 3306 9.893 3956	650	0.106 6694 0.106 6044		247	52			50.0	519.2
9	9.789 7459	403	9.893 4607	651	0.106 5393	9.896 309	21242	51	'	9 5	85.0	584.1
0	9.789 7863	404	9.893 5258	651		9.896 285		50				
1 2	9.789 8266	403	9.893 5909	651	0.106 4742			49 48				
	9.789 8670	404	9.893 6559	650	0.106 3441		1 247	47				
	9.789 9073	403 404	9.893 7210	651	0.106 2790	9.896 186	3 240	46				
5	9.789 9477	403	9.893 7861	650	0.106 2139	9.896 161	6 247 247	45				
_	9.789 9880	403	9.893 8511	651	0.106 1489	9.896 136	وممالا	44				
7 8	9.790 0283 9.790 0686	403	9.893 9162 9.893 9812	650	0.106 0838 0.106 0188		11-1-	43		١.	۱ ، ،	
9	9.790 1089	403	9.894 0463	651	0.105 9537	9.896 062		42	_		04	403
0	9.790 1493	404	9.894 1114	651	0.105 8886	9.896 037	247	41			10'4 30'8	40·3 80·6
ī	9.790 1896	403	9.894 1764	650	0.105 8236			40			21.2	120'9
2	9.790 2298	402	9.894 2415	651	0.105 7585		1 247	39	L	. .	51.6	161.3
3	9.790 2701	403	9.894 3065	650	0.105 6935		6 248	38 37		•	0.50	201.2
4	9.790 3104	403	9.894 3715	650 651	0.105 6285	9.895 938	0 24/	36			12.4	241.8
5	9.790 3507	403	9.894 4366	650	0.105 5634	9.895 914	1 240	35		- 1	82.8	28 2 .1
6	9.790 3910	402	9.894 5016	651	0.105 4984		31242	34		1 -	23.2	322.4
7 8	9.790 4312	403	9.894 5667	650	0.105 4333		1248	33	۱ '	9 30	53.6	362.7
9	9.790 4715 9.790 5117	402	9.894 6317 9.894 6967	650	0.105 3683	9.895 839 9.895 815	8461	32	l			
-	9.790 5520	403	9.894 7618	651	0.105 2382	9.895 790	-121X	31				
0	9.790 5922	402	9.894 8268	650			- 248	30	l			
1 2	9.790 5922	403	9.894 8918	650	0.105 1732		248	29			00 1	40.
33	9.790 6727	402	9.894 9568	650	0.105 0432		ደ 240	27	- 1	_ _	02	401
34	9.790 7129	402 402	9.895 0219	651 650	0.104 9781		0 240	26			10°2 30°4	40°1 80°2
35	9.790 7531	402	9.895 0869	650	0.104 9131	9.895 666	2 240	25			50.6	120.3
	9.790 7933	402	9.895 1519	650	0.104 8481			24		~	5o·8	160.4
37 38	9.790 8335 9.790 8737	402	9.895 2169	650	0.104 7831	9.895 616	248	23	١.	5 20	0.10	200.2
39	9.790 9139	402	9.895 2819 9.895 3469	650	0.104 7181	9.895 591 9.895 567	עור	22 21			11.5	240'6
; <u>z</u>	9.790 9541	402	9.895 4119	650	0.104 5881		-1240	1-			21.6	280.4 320.8
11	9.790 9943	402	9.895 4769	650			-1240	20		9 3	51.8	360.0
2	9.790 9943	402	9.895 5419	650	0.104 5231	9.895 517 9.895 492		18	1	9 1 3	,,,,	300 9
3	9.791 0746	401	9.895 6069	650	0.104 3931	9.895 467	7 240	1,7				
4	9.791 1148	402 401	9.895 6719	650 650	0.104 3281	9.895 442	9 240	16				
5	9.791 1549	402	9.895 7369	650	0.104 2631		0 249 248	15				
6	7.77	401	9.895 8019	650	0.104 1981	9.895 393	2 0 10	14				
.7 8	9.791 2352 9.791 2754	402	9.895 8669 9.895 9319	650		9.895 368	و مداد	1.3				
9	9.791 3155	401	9.895 9969	650	0.104 0681	9.895 318	249	11	ŀ			
0	9.791 3556	401	9.896 0619	650	0.103 9381		- 1 2 <i>1</i> 7	10	ı	247	24	8 249
1	9.791 3958	402	9.896 1269	650	0.103 8731			1-	-			
2	9.791 4359	401	9.896 1918	649	0.103 8082	0.805 244	01249	8	2	24 [.] 7 49 [.] 4		1 ^{.8} 24 9 ^{.6} 49
	9.791 4760	401	9.896 2568	650	0.103 7432	9.895 219	2 240	7	3	74.1		14 74
	9.791 5161	401 401	9.896 3218	650 650	0.103 6782	9.895 194	2 249	6	4	98.8		2 99
	9.791 5562	401	9.896 3868	649	0.103 6132	9.8 95 169	4 240		5	123.2	124	10 124
1	9.791 5963	400	9.896 4517	650	0.103 5483	9.895 144	٠	4		148.2		
	9.791 6363	401	9.896 5167	650	0.103 4833		240	3	7 8	172.9		
	9.791 6764 9.791 7165	401	9.896 5817 9.896 6466	649	0.103 4183		1 248	2		197.6		
	9.791 7566	401	9.896 7116	650	0.103 3534			1	9	222.3	1 22	3.2 224
		4		d .	0.103 2884		-	0				
ı	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.				
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			2"	33	w								
s.	Sin.	d.	Tang.	d. c.	Cotang.	Co	5.	d.					
0	9.791 7566	400	9.896 7116	610	0.103 2884	9.895	0450	2.0	60		1	650	649
1	9.791 7966		9.896 7766	650	0.103 2234	9.895	0201	249	59	-	1	65.0	64'9
2	9.791 8367	401 400	9.896 8415	649 650	0.103 1585	9.894	9952	249	58		2	130.0	129'8
3	9.791 8767	401	9.896 9065	649	0.103 0935		9703	250	57		3	195.0	194'7
4	9.791 9168	400	9.896 9714	650	0.103 0286			249	56			260'0	259.6
5	9.791 9568	400	9.897 0364	649	0.102 9636			249	55			325.0	324'5
6	9.791 9968	401	9.897 1013	65ó	0.102 8987			249	54		- Car 1 1 1 2	390.0	389.4
7	9.792 0369	400	9.897 1663	649	0.102 8337			249	53			155.0	454'3
8	9.792 0769	400	9.897 2312	650	0.102 7688	9.894		250	52			520'0 585'0	519'2
9	9.792 1169	400	9.897 2962	649	l	9.894		249	51		9 1 3	905 0	584.1
10	9.792 1569	400	9.897 3611	649	0.102 6389	9.894		249	50				
I	9.792 1969	400	9.897 4260	650	0.102 5740	9.894		250	49				
2	9.792 2369	400	9.897 4910	649	0.102 5090			249	48				
3	9.792 2769	399	9.897 5559	649	0.102 4441	9.894		250	47				
4	9.792 3168	400	9.897 6208	650	0.102 3792			249	46				
5	9.792 3568 9.792 3968	400	9.897 6858 9.897 7507	649	0.102 3142 0.102 2493			250	45				
7	9.792 4368	400	9.897 8156	649	0.102 1844			249	44	0			
8	9.792 4767	399	9.897 8805	649	0.102 1195	9.894		250	43	١.	-1	401	400
9	9.792 5167	400	9.897 9454	649	0.102 0546	9.894		250	41	-	1	40'1	40.0
÷	9.792 5566	399	9.898 0104	650	0.101 9896	9.894		249	-	10	2	80.5	80.0
		400		649				250	40	11/2	-	120'3	120'0
1	9.792 5966	399	9.898 0753 9.898 1402	649	0.101 9247 0.101 8598	9.894	5213	250	39	Н.		160'4	160.0
2	9.792 6365 9.792 6764	399	9.898 2051	649	0.101 7949			250	38			200.2	200'0
3	9.792 7163	399	9.898 2700	649	0.101 7300	0.804	4463	250	37 36	l le	2	240'6	240'0
5	9.792 7563	400	9.898 3349	649	0.101 6651			250	35		7 3	280'7	280'0
6	9.792 7962	399	9.898 3998	649	0.101 6002	0.804	3064	249	34			320.8	320'0
27	9.792 8361	399	9.898 4647	649	0.101 5353			250	33	1	9 3	360.0	360.0
8	9.792 8760	399	9.898 5296	649	0.101 4704	9.894		250	32				
9	9.792 9159	399	9.898 5945	649	0.101 4055	9.894		250	31				
30	9.792 9557	398	9.898 6594	649	0.101 3406		2963	251	30	н			
31	9.792 9956	39 9	9.898 7243	649	0.101 2757	9.894	-	250	29				
32	9.792 9930	399	9.898 7892	649	0.101 2108			250	28		1	399	398
33	9.793 0754	399	9.898 8541	649	0.101 1459			250	27	-	1		39.8
34	9.793 1152	398	9.898 9190	649	0.101 0810			250	26		2	39.8	79.6
35	9.793 1551	399	9.898 9838	648	0.101 0162	9.894	1713	250	25	1	Sec. 1	119'7	119'4
36	9.793 1949	398	9.899 0487	649	0.100 9513	9.894	1462	251	24		- 1	159.6	159.5
37	9.793 2348	399 398	9.899 1136	649 649	0.100 8864			250 251	23			199.2	199,0
8	9.793 2746		9.899 1785	648	0.100 8215	9.894	0961	250	22	П.		239'4	238.8
39	9.793 3145	399 398	9.899 2433	649	0.100 7567	9.894	0711	250	21			279'3	278.6
ю	9.793 3543	390	9.899 3082		0.100 6918	9.894	0461	12.4	20			319'2	318.4
11	9.793 3941	398	9.899 3731	649	0.100 6269		_	251	19	50	9 1	359'1	358.2
2	9.793 4339	398	9.899 4380	649	0.100 5620			250	18				
13	9.793 4737	398	9.899 5028	648	0.100 4972			251	17				
14	9.793 5135	398 398	9.899 5677	649 648	0.100 4323	9.893	9458	251	16				
5	9.793 5533	398	9.899 6325	649	0.100 3675			250	15				
6	9.793 5931	398	9.899 6974	649	0.100 3026	9.893	8957	251	14				
7	9.793 6329	398	9.899 7623	648	0.100 2377	9.893	8706	250	13				
8	9.793 6727	398	9.899 8271	649	0.100 1729	9.893	8456	251	12				
19	9.793 7125	397	9.899 8920	648	0.100 1080		8205	251	11	1			
0	9.793 7522	398	9.899 9568	649	0.100 0432	9.893	7954	251	10		249	25	0 251
; [9.793 7920		9.900 0217	648	0.099 9783	9.893	7703		9	1	24	9 2	5.0 5
52	9.793 8317	397 398	9.900 0865	649	0.099 9135	9.893	7452	251 251	8	2	49	8 50	0.0 20
3	9.793 8715		9.900 1514	648	0.099 8486	9.893	7201	251	7	3	74		50 75
	9.793 9112	397 398	9.900 2162	648	0.099 7838	9.893	6950	251	6	4	99	A Partie	0,0 100
55	9.793 9510		9.900 2810	649	0.099 7190	9.893	6699	251	5	5	124		
6	9.793 9907	397	9.900 3459	648	0.099 6541		6448	251	4		149	200	0.0 120
7	9.794 0304	397 397	9.900 4107	648	0.099 5893			251	3	7	174		5.0 175
	9.794 0701	398	9.900 4755	649	0.099 5245			251	2	8	199.		0.0 200
9	9.794 1099	397	9.900 5404	648	0.099 4596			251	_1	9	224	1 22	5.0 222
00	9.794 1496	371	9.900 6052			9.893		100	0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sir	1 _x	d.	S.				

Г			2	34	m							
5.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.794 1496		9.900 6052	4.0		9.893 5444	1.50	60		1 6	48	647
<u> </u>	9.794 1893	397	9.900 6700	648 648		9.893 5192	252	59	1	_	4.8	64.7
2	9.794 2290	397 397	9.900 7348	649		9.893 4941	251 251	58	m.	2 12	9.6	129'4
3	9.794 2687	396	9.900 7997	648		9.893 4690	251	57	12		4'4	194'1
4	9.794 3083	397	9.900 8645	648		9.893 4439	252	56	10	4011	9'2	258.8
5	9.794 3480 9.794 3877	397	9.900 9293 9.900 9941	648	0.099 0707		251	55 54			8.8	323'5 388'2
7	9.794 4274	397	9.901 0589	648		9.893 3684	252	53	Ш		3.6	452'9
8	9.794 4670	396 397	9.901 1237	648 649	0.098 8763		251 252	52			8.4	517'6
9	9.794 5067	396	9.901 1886	648	0.098 8114	7 70 0	251	51		9 58	3.5	582'3
10	9.794 5463	397	9.901 2534	648	0.098 7466	9.893 2930	252	50				
11	9.794 5860	396	9.901 3182	648	0.098 6818	9.893 2678	252	49				
12	9.794 6256	396	9.901 3830	648	0.098 6170		251	48				
	9.794 6652	397	9.901 4478	648		9.893 2175	252	47				
15	9.794 7049 9.794 7445	396	9.901 5126	648	0.098 4874	9.893 1923 9.893 1671	252	46	W			9
	9.794 7841	396	9.901 6422	648	0.098 3578	9.893 1419	252	45 44				1
	9.794 8237	396	9.901 7069	647 648	0.098 2931		251	43				
18	9.794 8633	396 396	9.901 7717	648		9.893 0916	252 252	42	_].	397	396	395
19	9.794 9029	396	9.901 8365	648	0.098 1635	9.893 0664	252	41	1	39.7	39	6 39.5
20	9.794 9425	396	9.901 9013	648	0.098 0987	9.893 0412	252	40	2	79'4	79	
2 I	9.794 9821	395	9.901 9661	648	0.098 0339		252	39	3	110.1	118	
22	9.795 0216	396	9.902 0309	647	0.097 9691		252	38	4	158.8	158	-1 - 1
	9.795 0612	396	9.902 0956	648		9.892 9656	252	37	5	238.3	237	
24	9.795 1008	395	9.902 2252	648		9.892 9404 9.892 9151	253	36 35	7	277'9	277	1 - 2 1
	9.795 1799	396	9.902 2900	648		9.892 8899	252	34	8	317.6	316	8 316.0
27	9.795 2194	395	9.902 3547	647 648	0.097 6453	9.892 8647	252	33	9	357.3	356	4 355.5
28	9.795 2590	396 395	9.902 4195	648		9.892 8395	252 252	32				
29		396	9.902 4843	647	0.097 5157	9.892 8143	253	31				
30	9.795 3381	395	9.902 5490	648	0.097 4510		252	30				
31	9.795 3776	395	9.902 6138	648	0.097 3862	9.892 7638	253	29		_		
32	9.795 4171	395	9.902 6786	647		9.892 7385	252	28	_	3	94	393_
33	9.795 4566 9.795 4961	395	9.902 7433	648	0.097 2507	9.892 7133 9.892 6880	253	27 26			9'4	39.3
34 35	9.795 5356	395	9.902 8728	647		9.892 6628	252	25	ŀ	1 .	8.8	78.6
36	9.795 5751	395	9.902 9376	648	0.097 0624		253	24	ŀ	٠ I	7.6	117'9
37	9.795 6146	395	9.903 0023	647 648	0.096 9977		252	23			7.0	196.2
38	9.795 6541	395 395	9.903 0671	647		9.892 5870	253 252	22	l		6.4	235.8
<u>39</u>	9.795 6936	394	9.903 1318	648	0.096 8682	9.892 5618	253	21			5.8	275'1
40	9.795 7330	395	9.903 1966	647	0.096 8034	9.892 5365	253	20			5.5	314'4
41	9.795 7725	395	9.903 2613	647	0.096 7387	9.892 5112	253	19	l	9 35	4.6	353'7
42	9.795 8120	394	9.903 3260	648		9.892 4859	253	18	l			
43	9.795 8514 9.795 8909	395	9.903 3908	647	0.096 5445	9.892 4606 9.892 4354	252	17 16	l			
44	9.795 9303	394	9.903 4555	647	0.096 4798	9.892 4101	253	15	l			
46	9.795 9697	394	9.903 5850	648	0.096 4150	9.892 3848	253	14	l			İ
47	9.796 0092	395 394	9.903 6497	647 647	0,090 3503	9.092 3595	253 253	13				İ
48	9.796 0486	394 394	9.903 7144	647		9.892 3342	253	12	l			
<u>49</u>	9.796 0880	394	9.903 7791	648		9.892 3089	253	11	١.		ا	. 1
50	9.796 1274	394	9.903 8439	647	0.096 1561	9.892 2836	253	10	_ .	252	253	
H 5 I	9.796 1668	394	9.903 9086	647		9.892 2583	254	9	I	25.5	25	
52	9.796 2062	394	9.903 9733	647	0.090 0207	9.892 2329 9.892 2076	253	8 7	2	50.4 75.6	50°	
53	9.796 2456 9.796 2850	394	9.904 0380 9.904 1027	647		9.892 2070	253	6	3	100.8	101	* I * .1
	9.796 3244	394	9.904 1674	647	0.095 8326	9.892 1570	253	5	5	150.0	126	
56	9.796 3638	394	9.904 2321	647	0.095 7679	9.892 1316	254	4	5	151.5	151	8 1524
57	9.796 4032	394	9.904 2969	648 647	0.095 7031	9.892 1063	253	3	7	176.4	177	1 177.8
;8	9.796 4425	393 394	9.904 3616	647	0.095 6384	9.892 081 0		2	8	201.6	202	
	9.796 4819	303	9.904 4263	047		9.892 0556	200	I	9	226.8	227	7 228.6
60	9.796 5212		9.904 4910		THE RESERVE TO THE PERSON NAMED IN	9.892 0303	1	O				
1	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.				
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s.	Sin.	d.	Tang	g.	d. c.	Cot	ang.	Co	_	d.		П				
_0	9.796 5212	394	9.904	4910	647	0.095	5090	9.892	0303	254	60	Иæ	-1	64	7 1	646
I	9.796 5606	393	9.904		647		4443			253	59	117	1	6.	4.7	64.6
2	9.796 5999	394	9.904		646			9.891		254	58		2	12	9'4	129'2
3	9.796 6393	393	9.904	-	647			9.891		253	57		3		4'1	193.8
4	9.796 6786 9.796 7179	393	9.904 9.904		647			9.891		254	56		4	25	2000	258.4
6	9.796 7572	393	9.904		647			9.891		254	55		5		3.5	323.0
7	9.796 7966	394	9.904		647	0.095	0562	9.891 9.891	8528	253	54		6		8.5	387.6
8	9.796 8359	393	9.905	,	647			9.891		254	53 52		7 8	45	7.6	452.5 516.8
9	9.796 8752	393	9.905	-	647		9268	9.891		254	51		9		2.3	581.4
10	9.796 9145	393	9.905		646	0.094		9.891		254	50		9 1	30.	- 31	301.4
11	9.796 9537	392	9.905		647					254	-					
12	9.796 9930	393	9.905		647		7975 7328	9.891 9.891	7512	254	49 48					
13	9.797 0323	393	9.905		647	0.004	6681		7004	254	47					1
14	9.797 0716	393	9.905		646			9.891		254	46					
15	9.797 1108	392	9.905		647	0.004	5388	9.891	6496	254	45					
16	9.797 1501	393	9.905		647			9.891		254	44					
17	9.797 1894	393	9.905	5905	646 647		4095		5988	254	43	Ha				
18	9.797 2286	392 393	9.905	6552	647		3448	9.891	5734	254	42		39	4	393	392
19	9.797 2679	392	9.905	7199	646	0.094	2801	9.891	5480	254	41	1		9.4	39	
20	9.797 3071		9.905	7845	_ `	0.094	2155	9.891	5226	254	40	2		8.8	78	
2 I	9.797 3463	392	9.905		647	0.004	1508	9.891		255	39	3	11	8.2	117	9 117
22	9.797 3856	393	9.905		646			9.891		254	38	4	15	7.6	157	2 156
23	9.797 4248	392 392	9.905	9785	647 646			9.891		254	37	5	19	7.0	196	
24	9.797 4640	392	9.900		647	0.093	9569	9.891	4208	255	36	6		6.4	235	
25	9.797 5032	392	9.906	•	646	0.093	8922	9.891	3954	254	35	7		5.8	275	
26	9.797 5424	392	9.906		647			9.891	3700	255	34	8		5.5	314	
27	9.797 5816	392	9.906		646	0.093	7629	9.891	3445	254	33	9	35	4.6	353	7 352
28	9.797 6208	392	9.906		647				3191	255	32					
29	9.797 6600	391	9.906		646	0.093		9.891		255	31					
30	9.797 6991	392	9.906		646	0.093	5690	9.891	2681	254	30					
31	9.797 7383	392	9.906		647	0.093	5044	9.891	2427	255	29					
32	9.797 7775	391	9.906		646	0.093	4397	9.891	2172	255	28		- 1	39	I	390
33	9.797 8166	392	9.906		646			9.891		254	27	115	L	3	3.1	39.0
34	9.797 8558	392	9.906		647			9.891	479	255	26	5	2	7	8.2	78.0
35 36	9.797 8950 9.797 9341	391	9.906 9.906		646			9.891	1408	255	25	1.5	3	11	7'3	117'0
37	9.797 9341	391	9.906		646	0.093	1166	9.891 9.891	0808	255	24		4	-	6.4	156.0
38	9.798 0124	392	9.906	= .	646			9.891		255	23	1	5		5.2	1950
39	9.798 0515	391	9.907		647	0.092		9.891		255	21		- 1	100	4.6	234.0
40	9.798 0906	391	9.907		646			9.891	_	255	-		7 8	27		273'0
-	9.798 1297	391			646	0.092				255	20		9	1 7 7 3	2.8	312'0
4 I 4 2	9.798 1297	391	9.907 9.907		646			9.890		255	19		9 1	33	1.9	351'0
43	9.798 2079	391	9.907		646			9.890 9.890		255	18					
44	9.798 2470	391	9.907	-	646	0.092	6643	9.890	9300	255	17					
45	9.798 2861	391	9.907		646	0.002	5007	9.890	8858	255	15					
46	9.798 3252	391	9.907		646	0.092	5351	9.890	8603	255	14					
47	9.798 3643	391	0.007	5205	646	0.092	4705	9.890	8348	255	13					
48	9.798 4034	391	9.907	594 I	646 646	0.092	4059	9.890	8092	256	12					
49	9.798 4424		9.907	6587		0.092	3413	9.890	7837	255	11	ш				
50	9.798 4815	391	9.907	7233	646	0.092	2767	9.890	7582	255	10	1	2	3 1	254	1 25
51	9.798 5206	391		7879	646			9.890		256	9	1	_	5.3	25	
52	9.798 5596	390	9.907	8525	646			9.890		255	8	2		0.6	50	
53	9.798 5987	391	9.907	9171	646			9.890		256		3		5.9	76	
54	9.798 6377	390	0.007	9817	646			9.890		255	7	4		1.5	101	
55	9.798 6767	390	9.908	0463	646	0.091	9537	9.890	6304	256	5			6.2	127	CALL CALL
	9.798 7158	391 390	9.908	1109	646 646	0.091	8891	9.890	6049	255	4	5		1.8	152	
57	9.798 7548	390	9.908	1755	646	0.091	8245	9.890	5793	256	3	7		7.1	177	
58	9.798 7938	390	19.900 .		645	0.091	7599	9.890	5537	256	2	8		2.4	203	2 204
<u>59</u>	9.798 8328	390	9.900		646			9.890		255	1	9	22	7.7	228	6 229
60	9.798 8718	390	9.908		540			9.890	5026	256	0	. 100				
		4	Cotar	200	d. c.	Tai		Si	THE RESIDENCE OF	1.4	results.					
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			9.910 6927		0.089 3073	9.889	5794					- 0		5.8
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	_		9.910 9507		0.089 049				20	110	8			8.8
1.00		388	9.911 0152						19		9	348.3	34	7'4
		387			0.088 920	9.889			97.71					
		388			0.088 8558	9.889								
		387		645	0.088 791	9.889	3730	257	2.00	11				
		388		645	0.088 662	0.880	3479	258						
		387	9.911 4021	644	0.088 5976	9.889	2064		200					
.800	7372	307	9.911 4666	645	0.088 5334	9.889			12					
		288	9.911 5311	645			2448		11					
.800	8147		9.911 5956		0.088 4044	9.889	2191		10	-1	25	6 2	57	258
			9.911 6601				_			1		_	_	25
.800	8921		9.911 7245	645	0.088 275	9.889	1675		8	2	51	2 5		51.6
			9.911 7890	645	0.088 2110	9.889	1418		7	3	76	.8	7.1	77
.800	9095	386		645	0.088 146	9.889	1160		6	4				103'
		387	9.911 9180	644	0.088 0820	9.889	0902			5				129
		387	9.911 9024	645	0.087 0170	9.889	0044	258	4					154
		387		645	0.087 888	0.880	0128	258	3	8				180.6
		386		644	0.087 824	0.888	0870	258		100			-	232'2
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<u>s.</u>	Sin.	d.	Tang.	d. c.	Cotang.	Co		d.	-		- 1			
의	9.801 2015	386	9.912 2403	644	0.087 7597			258	60		_	64	5	644
I	9.801 2401	387	9.912 3047	645	0.087 6953	9.888		258	59		I		4.2	64.4
2	9.801 2788	386	9.912 3692	644	0.087 6308			258			2		0.0	128.8
3	9.801 3174	387	9.912 4330	645	0.087 5664	9.888	8838	258	21		3		3.2	193'2
4	9.801 3561	386	9.912 4981	644	0.087 5019	9.888	8580	259	56	13	4		8.0	257.6
5	9.801 3947	386	9.912 5625	645	0.087 4375	9.888	8321	258	55		5	32	_	322.0
6	9.801 4333	386	9.912 6270	644	0.087 3730	9.888	8003	258	54	113	6	38		386.4
7	9.801 4719	387	9.912 6914	645	0.087 3086			258	53	13	8	45		450.8
8	9.801 5106	386	9.912 7559	644	0.087 2441	9.888 9.888		259	52			510	0.2	515'2
9	9.801 5492	386	9.912 8203	645	0.087 1797			258	51		9	500	51	579'6
0	9.801 5878	386	9.912 8848	644	0.087 1152	9.888	7030	259	50					
I	9.801 6264	385	9.912 9492	645	0.087 0508		6771	258	49					
2	9.801 6649	386	9.913 0137	644	0.086 9863			259	48					
	9.801 7035	386	9.913 0/01	644	0.086 9219			258	47					
٠,	9.801 7421	386	9.913 1443	645	0.086 8575			259	40					
5	9.801 7807	385	9.913 2070	644	0.086 7930			258	45					
6	9.801 8192	386	9.913 2714	644	0.086 7286			259	44					
7	9.801 8578	386	9.913 3358	644	0.086 6642			259	43		-1	- 9	- 1	286
8	9.801 8964	385	9.913 4002	645	0.086 5998			259	42	-	_	38		386
9	9.801 9349	386	9.913 4647	644	0.086 5353	9.888		258	41		1		8.4	38.6
0	9.801 9735	385	9.913 5291	644	0.086 4709	9.888	4444	259	40		2		7.4	77'2
:1	9.802 0120	385	9.913 5935	644	0.086 4065	9.888	4185	259	39		3	11	- 44	115.8
2	9.802 0505	386	9.913 6579	644	0.086 3421			259	38	м	4		4.8	154'4
3	9.802 0891	385	9.913 7223	645	0.086 2777			259	37	N.	5	19		193.0
4	9.802 1276	385	9.913 7868	644	0.086 2132			259	36	10	6	23		231.6
5	9.802 1661	385	9.913 8512	644	0.086 1488			259	35	117	7 8	27		308.8
:6	9.802 2046	385	9.913 9156	644	0.086 0844			259	34		200	30		
:7	9.802 2431	385	9.913 9800	644	0.086 0200			259	33		9 1	34	31	347'4
8:	9.802 2816	385	9.914 0444	644	0.085 9556	,		259	32					
9	9.802 3201	385	9.914 1088	644	0.085 8912			259	31					
o	9.802 3586	385	9.914 1732		0.085 8268	9.888	1854	260	30					
I	9.802 3971	384	9.914 2376	644	0.085 7624	9.888	1594	1000	29					
2	9.802 4355	385	9.914 3020	644	0.085 6980			259 259	28			38	5	384
3	9.802 4740	385	9.914 3664	644	0.085 6336	9.888	1076	259	27	- 3	1	3	8.2	38.4
4	9.802 5125	384	9.914 4308	644 644	0.085 5692			260	26		2		7.0	76.8
55	9.802 5509	385	9.914 4952	644	0.085 5048	9.888	0557	259	25		3	11		115'2
6	9.802 5894	384	9.914 5596	644	0.085 4404	9.888	0298	260	24	٠,	4	15	1.0	1536
7	9.802 6278	385	9.914 6240	644	0.085 3760	9.888	0038	259	23	11	5	19	2.2	192'0
8	9.802 6663	384	9.914 6884	644	0.085 3116			260	22	13	6	23	1.0	230'4
9	9.802 7047	384	9.914 7528	643	0.085 2472	9.887	9519	259	21		7	26		268.8
0	9.802 7431		9.914 8171		0.085 1829	9.887	9260	260	20		8	30		307.5
1	9.802 7816	385	9.914 8815	644	0.085 1185		9000	100	19	1	9	34	5.2	345'6
2	9.802 8200	384	9.914 9459	644	0.085 0541			259	18					
3	9.802 8584	384	9.915 0103	644	0.084 9897	9.887	8481	260	17					
4	9.802 8968	384 384	9.915 0747	644 643	0.084 9253			260	16					
5	9.802 9352	384	9.915 1390	644	0.084 8610	9.887	7961	259	15					
6	7	384	9.915 2034	644	0.084 7966	9.887	7702	260	14					
7	9.803 0120	384	9.915 2678	644	0.084 7322	9.887	7442	260	13					
	9.803 0504	383	9.915 3322	643	0.084 6678			260	12					
9	9.803 0887	384	9.915 3965	644	0.084 6035			260	T T			_ 0		400
0	9.803 1271		9.915 4609	6	0.084 5391	9.887	6662	260	10		25	8	259	
ı	9.803 1655	384	9.915 5253	644	0.084 4747		6402	5000	9	1	2	5.8	25	9 26
2		383	9.915 5896	643	0.084 4104			260	8	2		1.6	51	8 52
	9.803 2422	384	9.915 6540	644	0.084 3460	9.887	5882	260	7	3		7'4	77	
آڏ	9.803 2805	383	9.915 7184	644	0.084 2816			260	6	4		3.5	103	
5	9.803 3189	384	9.915 7827	643	0.084 2173			260	5			9.0	129	
	9.803 3572	383	9.915 8471	644	0.084 1529			260	4	5		4.8	155	-
7	9.803 3956	384	9.915 9114	643	0.084 0886	9.887	4841	261	3	7		0.6	181	
	9.803 4339	383	9.915 9758	644	0.084 0242			260	2	8		6.4	207	
		383	9.916 0401	643	0.083 9599			261	1	9		2'2	233	
_	9.803 5105	383	9.916 1045	644		9.887		259	0	3	-		-	
~	7.003 7.031			d. c.	Tang.	9.007 Sii		d.	s.					
7	Cos.	d.	Cotang.											

			2	¹ 38	m							
s.	Sín.	d.	Tang.	d. c.	Cotang.	Coş.	d.					
O	9.803 5105	200	9.916 1045	6	0.083 8955	9.887 4061	261	60		1	643	642
ī	9.803 5488	383 383	9.916 1688	643 644	0.083 8312	9.887 3800	1060	59		1	64'3	64'2
2	9.803 5871	383	9.916 2332	643		9.887 3540	261	58			128.6	1284
	9.803 6254	383	9.910 29/3	643	0.083 7025	9.887 3279 9.887 3019	260	57		- 1	192'9	256.8
5	9.803 6637 9.803 7020	383	9.916 3618 9.916 4262	644		9.887 2758	261	56 55			321.2	321'0
6	9.803 7403	383	9.916 4905	643		9.887 2498	260	54			85.8	385'2
7	9.803 7786	383	9.916 5549	643	0.083 4451	9.887 2237	261 260	53			120.1	449'4
8	9.803 8168	382 383	9.916 6192	643		9.887 1977	261	52	l		514'4	513.6
9	9.803 8551	383	9.916 6835	644	0.083 3165		261	51		9 .	578.7	577.8
10	9.803 8934	38₽	9.916 7479	643	0.083 2521	9.887 1455	261	<u>50</u>				
11	9.803 9316	383	9.916 8122	643	0.083 1878		260	49				
12	9.803 9699	382	9.916 8765 9.916 9408	643		9.887 0934 9.887 0673	261	48 47				
13 14	9.804 0081 9.804 0464	383	9.917 9408	644		9.887 0412	261	46				
15	9.804 0846	382	9.917 0695	643		9.887 oisi	261 261	45				
16	9.804 1228	382 382	9.917 1338	643 643		9.886 9890	261	44				
17	9.804 1610	382	9.917 1981	643		9.886 9629	261	43		1	282 1	282
18	9.804 1992	382	9.917 2624	644	0.082 7370	9.886 9368 9.886 9107	261	42	-	<u>-</u> -	383	382
19	9.804 2374	383	9.917 3268	643	0.082 6089		261	41 40		1 2	38·3 76·6	38·2 76·4
20	9.804 2757	381	9.917 3911	643			261	40 20			114'9	114.6
21	9.804 3138	382	9.917 4554	643	0.082 5446	9.886 8324	261	39 38			153.5	152.8
22 23	9.804 3520 9.804 3902	382	9.917 5197	643		9.886 8062	262	37		5	191'5	191.0
24	9.804 4284	382	9.917 6483	643	0.082 3517	9.886 7801	261 261	36		- 1	229.8	229'2
25	9.804 4666	382 381	9.917 7126	643 643	0.082 2874	9.886 7540	262	35		- 1	268-1	267'4
26	9.804 5047	382	9.917 7769	643		9.886 7278	261	34			306.4	305.6
27	9.804 5429	382	9.917 8412	643	0.082 1508	9.886 7017 9.886 6756	261	33		7 1 .	344 / /	343 -
28 29	9.804 5811	381	9.917 9055 9.917 9698	643	0.082 0302		262	32 31	l			
-	9.804 6192	382	9.918 0341	643	0.081 9659	9.886 6233	261	30				
30	9.804 6574	381	9.918 0984	643	0.081 9016		262	29				
31 32	9.804 6955 9.804 7336	381	9.918 1627	643		9.886 5710	261	28			381	380
33	9.804 7718	382	9.918 2270	643		9.886 5448	262 262	27	-	<u> </u>	38.1	38.0
34	9.804 8099	381 381	9.918 2913	643 642		9.886 5186	261	26		2	76.2	76.0
35	9.804 8480	381	9.918 3555	643		9.886 4925	262	25			14'3	114'0
	9.804 8861	381	9.918 4198	643		9.886 4663 9.886 4401	262	24 23			52'4	152'0
37 38	9.804 9242	381	9.918 4841 9.918 5484	643	0.081 4516		262	22			28.6	190.0
39	9.805 0004	381	9.918 6127	643	0.081 3873		261	2 I			66.7	266'0
40	9.805 0385	381	9.918 6769	642	0.081 3231	9.886 3616	262	20			04.8	304.0
41	9.805 0766	381	9.918 7412	643	0.081 2588		262	19		9	42.9	342'0
42	9.805 1147	381	9.918 8055	643		9.886 3092	262	18				
43	9.805 1527	380 381	9.918 8698	643 642		9.886 2830	262	17				
44	9.805 1908	381	9.918 9340	643		9.886 2568	262	16				
45 46	9.805 2289	380	9.918 9983	643	0.080 0274	9.886 2306 9.886 2044	202	15 14				
	9.805 2669 9.805 3050	181	9.919 0020	642	0.080 8732	9.886 1781	263	13				
48	9.805 3430	380		643	0.080 8089	9.886 1519	262 262	12				
49	9.805 3811	381	0.010 2554	643	0.080 7446	9.886 1257	262	11				
50	9.805 4191	380	9.919 3196	642	0.080 6804	9.886 0995	262	10	$ \bot $	261		
= 1	9.805 4571	380	. 0	643	0.080 6161	9.886 0733	262	9	I	26		5.5 59.3
	9.805 4951	380 381	9.919 4481	642 643	0.080 5519	9.886 0470	262	8	2	52		52.6
	9.805 5332	380	9.919 5124	642		9.886 0208	263	7 6	3	78 [.]		3·6 78·9 1·8 105·2
	9.805 5712	380	9.919 5700	643	0.080 4234	9.885 9945 9.885 9683	262	5	4	130	- 1	
	9.805 6092 9.805 6472	380	9.919 0409	642		9.885 9420	263	4	5	156		
	9.805 6852	380	0.010 7604	643		9.885 9158		3	7 8	182	7 18	3.4 184.1
;	9.805 7232	380	9.919 8336	642	0.080 1664	9.885 8895	263	2		208	8 200	9.6 210.4
,	9.805 7611	379 380	9.919 8979	643		9.885 8633	263		9	234	9 23	5.8 236.7
	9.805 7991	300	9.919 9621	-4-	THE RESERVE THE PERSON NAMED IN	9.885 8370	1	0				
•	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	5.				
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Co	5.	d.					
_0	9.805 7991	380	9.919 9621	6	0.080 0379	9.885	8370		60		- 1	643	642
1	9.805 8371	380	9.920 0264	643	0.079 9736			263	<u>-</u>	-	I	64.3	64.2
	9.805 8751	379	9.920 0906	642 642	0.079 9094			262	5 8		2	128.6	128.4
~	9.805 9130	380	9.920 1548	643	0.079 8452	9.885	7582	263 263	57		3	192.9	192.6
- 1	9.805 9510	379	9.920 2191	642	0.079 7809			263	56		4	257.2	256.8
	9.805 9889	380	9.920 2833	642	0.079 7167	9.885	7056	263	55		5	321.2	321.0
	9.806 0269 9.806 0648	379	9.920 3475	643	0.079 6525	9.885	6793	263	54		6	385.8	385.2
	9.806 1027	379	9.920 4118 9.920 4760	642	0.079 5882			263	53		7	450° I	449'4
	9.806 1407	380	9.920 5402	642	0.079 5240			263	52		8	514.4	513.6
	9.806 1786	379	9.920 6044	642		9.885		263	51		9	578.7	1 577'8
	9.806 2165	379	9.920 6687	643	0.079 3956			263	50		•		
	9.806 2544	379	9.920 7329	642	0.079 3313			263	49				
	9.806 2923	379	9.920 7971	642	0.079 2071			263	48				
	9.806 3302	379	9.920 8613	642	0.079 1387			263	47 46				
	9.806 3681	379	9.920 9255	642	0.079 0745			263	45				
	9.806 4060	379 379	9.920 9898	643 642	0.079 0102			264	44				
	9.806 4439	378	9.921 0540	642	0.078 9460	9.885	3899	263 263	43	l			
	9.806 4817	379	9.921 1182	642	0.078 8818	9.885	3636	264	42	_		380	379
	9.806 5196	379	9.921 1824	642	0.078 8176			263	41	1	I	38.0	37.9
	9.806 5575	378	9.921 2466	642	0.078 7534	9.885		264	40		2	76.0	75.8
	9.806 5953	379	9.921 3108	642	0.078 6892			263	39		3	114.0	113.7
	9.806 6332 9.806 6710	378	9.921 3750	642	0.078 6250			264	38		4	152.0	151.6
	9.806 7089	379	9.921 4392	642	0.078 5608			263	37		5	190.0	189.5
٠.	9.806 7467	378	9.921 5034 9.921 5676	642	0.078 4966			264	36		7	266.0	265.3
- 7	9.806 7846	379	6 8	642	0.078 4324			264	35		8	304.0	303.5
	9.806 8224	378		642	0.078 3040			263	34 33		9	342.0	
28	9.806 8602	378		642	0.078 2398			264	32			•	
29	9.806 8980	378	a car gass	642	0.078 1756			264	31				
30	9.806 9358	378	9.921 8886	642	0.078 1114	9.885	0472	264	30				
_,	9.806 9736	378	9.921 9528	642	0.078 0472			263	29				
32	9.807 0114			642	0.077 9830			264	28		1	378	377
	9.807 0492	378	0.022 0011	641	0.077 9189			264	27	-	T -	37.8	37.7
	9.807 0870			642	0.077 8547	9.884	9417	264 264	26		2	75.6	75.4
	9.807 1248	378	9.922 2093	642	0.077 7905			264	25		3	113.4	113.1
	9.807 1626 9.807 2003	377	9.922 2/3/	642	0.077 7263			264	24		4	121.5	150.8
	9.807 2381	378	9.922 3379 9.922 4020	641	0.077 6621			265	23		5	189.0	188.5
	9.807 2759	378	9.922 4662	642		9.884		264	22 21		6	226.8	226.3
	9.807 3136	377		642		9.884	<u> </u>	264	-		7 8	264.6	263.9
-1	9.807 3514	378	9.922 5304	642			<u> </u>	264	20		9	302'4 340'2	339.3
	9.807 3891	377	9.922 5946 9.922 6587	641	0.077 4054			264	19		9 1	340 =	3393
	9.807 4268	377		642	0.077 3413			265	18 17				
	9.807 4646	378	9.922 7871	642	0.077 2129			264	16				
45	9.807 5023	377	0.022 8512	641	0.077 1488	9.884	6510	265	15	l			
	9.807 5400	377	0.022 0154	642 642	0.077 0846	9.884	6246	264	14				
	9.807 5777	377 377	9.922 9796	641	0.077 0204	9.884	5982	204	13	l			
48	9.807 6154	377	9.923 0437	642	0.076 9563			265 265	12				
	9.807 6531	377	9.923 1079	641	0.076 8921			264	11	١.			
	9.807 6908	377	9.923 1720	642	0.076 8280	9.884		265	10	_ .	26		
	9.807 7285	377	9.923 2362	642	0.076 7638	9.884	4923	264	9	1	26	~1	5.4 26
	9.807 7662	377	9.923 3004	641	0.076 6996	9.884	4659	265		2	52		2.8 5
	9.807 8039 9.807 8416	377	9.923 3645	642	0.076 6355	9.884	4394	265	7	3	78		79
	9.807 8792	376	9.923 4287	641	0.076 5713			265	6	4	105		
	9.807 9169	377	9.923 4928	642	0.076 5072 0.076 4430			265	5	5	131 157	8 158	
	9.807 9546	377	0 022 6211	641	0.076 3789	0.884	3335	264	4		184		
58	9.807 9922	376	0.023 6852	641	0.076 3148	9.884	3070	265	3	7 8	210		
59	9.808 0299	377	9.923 7494	642	0.076 2506			265	2 I	9	236		
	9.808 0675	376	9.923 8135	641	0.076 1865			265	0	ĺ			. •
\neg	Cos.	d.	Cotang.	d. c.	Tang.	Sir		d.	s.				
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3.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.						
0	9.808 0 675	376	9.923 8135	642	0.076 1865	9.884 2540	265	бо		6	41	64	0
1	9.808 1051	377	9.923 8777	641	0.076 1223	9.884 2275	265	59		-	54.1		4.0
2	9,808 1428	376	9.923 9418	641	0.076 0582		266	58		2011	28.2		8'0
3	9.808 1804 9.808 2180	376	9.924 0059	642	0.075 9941	9.884 1744 9.884 1479	265	57		-	92'3		2'0
4 5	9.808 2556	376	9.924 0701	641	0.075 9299	9.884 1214	265	55			56.4		0.0
6	9.808 2932	376	9.924 1983	641	0.075 8017	Company of the compan	265	54			84.6	- 00	4'0
7	9.808 3308	376 376	9.924 2625	641	0.075 7375	20 20	265 266	53	bi		18.7	44	
8	9.808 3684	376	9.924 3266	641	0.075 6734		265	52	13		12.8	51:	
_9	9.808 4060	376	9.924 3907	641	0.075 6093	9.884 0153	265	51		9 5	76.9	57	0,0
10	9.808 4436	376	9.924 4548	642	0.075 5452	9.883 9888	266	50					
II	9.808 4812	376	9.924 5190	641		9.883 9622	265	49					
12	9.808 5188 9.808 55 63	375	9.924 5831	641	0.075 4169	9.883 9357	266	48					
13 14	9.808 5939	376	9.924 6472	641	0.075 3528		265	47 46					
15	9.808 6315	376	9.924 7754	641		9.883 8560	266	45					
16	9.808 6690	375	9.924 8396	642		9.883 8294	265	44					
17	9.808 7066	376 375	9.924 9037	641		9.883 8029	266	43					
18	9.808 7441	375	9.924 9678	641		9.883 7763	266	42	/		76	_ 37	
19	9.808 7816	376	9.925 0319	641	0.074 9681	9.883 7497	265	41			37.6		7.5
20	9.808 8192	375	9.925 0960	641	0.074 9040	9.883 7232	266	40		6.3	12.8		5.0
21	9.808 8567	375	9.925 1601	641	0.074 8399		266	39			50.4	11:	0.0
22	9.808 8942 9.808 9317	375	9.925 2242 9.925 2883	641	0.074 7758	9.883 6700 9.883 6434	266	38	Н,		88.0	18	
23 24	9.808 9692	375	9.925 3524	641		9.883 6168	266	37 36	1 3		25.6	22	
25	9.809 0067	375	9.925 4165	641		9.883 5902	266	35			53.5	26	
26	9.809 0442	375 375	9.925 4806	641		9.883 5636	266	34		8 3	90.8		0.0
27	9.809 0817	375	9.925 5447	641	0.074 4553		266	33		9 1 3.	38.4	33	7.5
28	9.809 1192	375	9.925 6088	641		9.883 5104	266	32					
29	9.809 1567	375	9.925 6729	641	0.074 3271	9.883 4838	266	31	/				
<u>30</u>	9.809 1942	374	9.925 7370	641	0.074 2630	9.883 4572	267	30					- (
31	9.809 2316 9.809 2691	375	9.925 8011	641	0.074 1989	9.883 4305 9.883 4039	266	29 28		1 0	74	27	2
32 33	9.809 2091	375	9.925 8652	641		9.883 3773	266	27	V =		74	37	
34	9.809 3440	374	9.925 9933	640		9.883 3507	266	26			37'4 74'8		7.3
35	9.809 3815	375	9.926 0574	641		9.883 3240	267 266	25	Ш		12.5		1.0
36		374 374	9.926 1215	641		9.883 2974	267	24		4 1.	49.6	14	9'2
37	9.809 4563	375	9.926 1856	641	100 - 1	9.883 2707	266	23		2	87.0		6.2
38	9.809 4938 9.809 5312	374	9.926 2497	641	0.073 7503 0.073 6862	9.883 2441 9.883 2174	267	21		VI. 100	61.8	26	
<u>39</u>	9.809 5686	374		640	0.073 6222	9.883 1908	266	20	Ш		99.2		8.4
40	9.809 6060	374		641	-	9.883 1641	267	19	113		36.6	33	
41 42	9.809 6434	374	9.926 4419	641	0.073 5581	9.883 1375	266	18				00	
43	9.809 6808	374	9.926 5700	640		9.883 1108	267	17					
44	9.809 7182	374	9.926 6341	641	0.073 3659	9.883 0841	267	16					
45	9.809 7556	374 374	9.926 6982	641	0.073 3018	9.883 0574	266	15					
46	9.809 7930	374	9.926 7623	640	0.073 2377	9.883 0308	267	14	13				
47	9.809 8304 9.809 8678	374	9.926 8263 9.926 8904	641		9.883 0041 9.882 9774	267	13					
48 49	9.809 9051	373	9.926 9544	640	0.073 0456		267	11					
50 50	9.809 9425	374	9.927 0185	641	0.072 9815	9.882 9240	267	10	T	266	1 26	7 1	268
<u>51</u>	9.809 9799	374	9.927 0826	641		9.882 8973	267	9	7	26-6	_	5.7	26.8
52		373	9.927 1466	640	0.072 8534	9.882 8706	267	8	2	53.2	5.	3.4	53.6
53	9.810 0546	374	9.927 2107	641 640	0.072 7893	9.882 8439	267 267	7	3	79.8	80	0.1	80.4
154	9.810 0919	373 374	9.927 2747	641	0.072 7253		267	6	4	106.4			107.2
55	9.810 1293	373	9.927 3388	640		9.882 7905	267	5	5	133.0			134.0
	9.810 1666 9.810 2039	373	9.927 4028 9.927 4669	641	0.072 5972	9.882 7638 9.882 7370	268	4		186.3			187.6
57 58	9.810 2039	373	9.927 5309	640	0.072 4691		267	3	7 8	212.8			214'4
59	9.810 2785	373	9.927 5950	641		9.882 6836	267	I	9	239'4			241.5
60		374	9.927 6590	640	0.072 3410		268	0	6				
	Cos.	d.	Cotang.	d.c.	THE RESERVE OF THE PERSON NAMED IN	Sin.	d,	S.					
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s.	Sin.	d.	Tang.	d. c.	Cotang.		15.	d.						8-3	
0	9.810 3159	373	9.927 6590	641	0.072 341		6568	267	60	ŀ	_	64	_	640	
I	9.810 3532	373	9.927 7231	640	0.072 276			267	59		1		1.1	64.0	
2	9.810 3905	373	9.927 7871 9.927 8511	640	0.072 212			268	58	п	2	193	200	192.0	
3	9.810 4278 9.810 4650	372	9.927 9152	641	0.072 148			267	57 56	US	3 4	250		2560	
5	9.810 5023	373	9.927 9792	640	0.072 020			268	55		5	320		320.0	
6	9.810 5396	373	9.928 0433	641 640	0.071 956			268	54		6	38		384'0	
7	9.810 5769	373 372	9.928 1073	640	0.071 892			268	53		7	448		4480	
8	9.810 6141	373	9.928 1713	641	0.071 828			268	52		8	513		512'0	
9	9.810 6514	373	9.928 2354	640	0.071 764	_	4160	267	51	112	9	576	0.9	576.0	1
0	9.810 6887	372	9.928 2994	640	0.071 700	-1		268	50						
I	9.810 7259	372	9.928 3634	640	0.071 636		~	268	49						
2	9.810 7631	373	9.928 4274	641	0.071 572		000.	268	48						
3	9.810 8004 9.810 8376	372	9.928 4915 9.928 5555	640	0.071 508			268	47 46						
5	9.810 8748	372	9.928 6195	640	0.071 380			268	45						
6	9.810 9121	373	9.928 6835	640	0.071 316		2285	268	44						
7	9.810 9493	372 372	9.928 7475	640 641	0.071 252		_	268	43			~			
8	9.810 9865	372	9.928 8116	640	0.071 188		1749	268	42	1		37	3	372	
9	9.811 0237	372	9.928 8756	640	0.071 124		1481	268	41		1		7.3	37.2	1
20	9.811 0609	372	9.928 9396	640	0.071 060	9.882	1213	268	40	ш	2		1.6	744	
1 5	9.811 0981	372	9.929 0036	640	0.070 996		0945	268	39		3	11		111.0	
22	9.811 1353	372	9.929 0676	640	0.070 932			269	38		5	180		148.8	
3	9.811 1725	371	9.929 1316	640	0.070 868			268	37		6	22		223'2	
24 25	9.811 2096 9.811 2468	372	9. 92 9 1956 9. 929 2 596	640	0.070 804 0.070 740			268	36			26		260'4	
26	9.811 2840	372	9.929 3236	640	0.070 676			269	35 34		8	29	8.4	2976	
7	9.811 3211	371	9.929 3876	640	0.070 612			268	33		9	33	5.7	334.8	1
8	9.811 3583	372 372	9.929 4516	640 640	0.070 548		9067	268	32						
9	9.811 3955	371	9.929 5156	640	0.070 484		8798	268	31						
30	9.811 4326		9.929 5796	640	0.070 420	9.881	8530	100	30						
31	9.811 4697	371 372	9.929 6436	640	0.070 356	9.881	8261	269	29						
32	9.811 5069	371	9.929 7076	640	0.070 292	4 9.881	7992	268	28	П.	_1	37	I	370	
33	9.811 5440	371	9.929 7716	640	0.070 228			269	27		1	3	7-1	37'0)
34	9.811 5811	371	9.929 8356	640	0.070 164		7455	269	26		2		1.5	74'0	
35 36	9.811 6182 9.811 6554	372	9.929 8996 9.929 9636	640	0.070 100			268	25		3	11		111.0	
7	9.811 6925	37 I	9.930 0276	640	0.069 972		6649	269	23	١.	4	18		1850	
8	9.811 7296	371	9.930 0916	640 640	0.069 908		6380	269	22	Н	5	22		222.0	
39	9.811 7667	371	9.930 1556		0.069 844	9.881	6111	269	21		7	250		259'0	
ю	9.811 8038	371	9.930 2195	639	0.069 780	9.881	5842	1	20		8	29	5.8	296.0	
1	9.811 8408	370	9.930 2835	640	0.069 716	9.881	5573	269	19	Н	9	33	3.9	333,0	1
2	9.811 8779	37 I 37 I	9.930 3475	640 640	0.069 652	9.881	5304	269	18						
13	9.811 9150	371	9.930 4115	640	0.069 588	5 9.88 r	5035	269	17						
14	9.811 9521	370	9.930 4755	639	0.069 524	5 9.881	4766	269	16						
	9.811 9891	277	9.930 5394	640	0.069 460 0.069 396	9.881	4497	269	15						
	9.812 0262 9.812 0632		9.930 6034 9.930 6674	640	0.069 332	5 9.881	3058	270							
	9.812 1003	<i>31</i> - I	9.930 7314	640	0.069 268	9.881	3680	269	12						
19	9.812 1373	3,7	9.930 7953	639	0.069 204	9.881	3420	269	11						
_	9.812 1744	371	9.930 8593	640	0.069 140			269	10	1	26	7 1	268	1 20	69
	9.812 2114	370	9.930 9233	640	0.069 076			270	9	ī	20	6.4	26		6.
2	9.812 2484	370	9.930 9872	639	0.069 012	9.881	2612	269	8	2		3.4	53	6 5	3
3	9.812 2854	37° 37°	9.931 0512	640 640	0.068 948	9.881	2342	269	7	3	80	1.0	80	4 8	go.
4	9.812 3224	371	9.931 1152	639	0.068 884			270		4	100		107		100
	9.812 3595	370	9.931 1791	640	0.068 820	9.881	1803	269	5	5	133		134		
0	9.812 3965	370	9.931 2431	639	0.068 756	188.6	1534	270	4		160		160		
7	9.812 4335 9.812 4704	369	9.931 3070	640	0.068 693 0.068 629			269	3 2	7 8	180	3.6	187		
0	9.812 5074	370	9.931 3710	639	0.068 565	9.881	0725	270	1	9	240		241		
	9.812 5444	370	9.931 4989	640	0.068 501			270	-0	21	- 1	31	7.5		15
~	Cos.	d.	Cotang.		Tang.	1 Si		d.	-						
	CO3.	u.		d. c.		1 3	44	u,	35	8					
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			2'	42	nı							
5.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.812 5444	370	9.931 4989	640	0.068 5011		270	60		6	39	638
1	9.812 5814	370	9.931 5629	639	0.068 4371		269	59			3.6	63.8
2	9.812 6184 9.812 6553	369	9.931 6268 9.931 6908	640		9.880 9916 9.880 9646	270	50		1	27.8	127.6
4	9.812 6923	370	9.931 7547	639		9.880 9376	270	57 56		- 1 .	5.6	191.4 255.5
5	9.812 7292	369	9.931 8186	639		9.880 9106	270	55			19.5	319.0
6	9.812 7662	370 369	9.931 8826	640 639		9.880 8836	270 270	54	l		3.4	382.8
7	9.812 8031	370	9.931 9465	640	0.068 0535	9.880 8566	270	53	ŀ		7.3	446.6
8 9	9.812 8401	369	9.932 0105 9.932 0744	639	0.067 9895	9.880 8296 9.880 8026	270	52 51	l	1 -	11.5	510.4 574.5
10	9.812 9139	369	9.932 1384	640	0.067 8616	9.880 7756	270	50	l	913	3 - 1	3/4 ~
11	9.812 9509	370	9.932 2023	639	0.067 7977	9.880 7486	270	49	l			
	9.812 9878	369	9.932 2662	639	0.067 7338	9.880 7215	271	48				
	9.813 0247	369 369	9.932 3302	640 639	0.067 6698	9.880 6945	270	47				
	9.813 0616	369	9.932 3941	639	0.067 6059	9.880 6675	270	46				
	9.813 0985	369	9.932 4580 9.932 5220	640	0.067 4780	9.880 6405 9.880 6134	27 I	45				
17	9.813 1723	369	9.932 5859	639	0.067 4141	9.880 5864	270	44 43				
	9.813 2092	369 368	9.932 6498	639 639		9.880 5593	27 I 270	42	l	3	69	368
19	9.813 2460	369	9.932 7137	640	0.067 2863	9.880 5323	271	41		I :	36.9	36.8
20	9.813 2829	369	9.932 7777	639	0.067 2223	9.880 5052	270	40			73.8	73.6
21	9.813 3198	368	9.932 8416	639	0.067 1584	9.880 4782	271	39		~ I -	10.7	110.4
	9.813 3566	369	9.932 9055	639	0.067 0945	9.880 4511 9.880 4241	270	38	ł		47 ^{.6} 84 [.] 5	147°2 184°0
23	9.813 3935 9.813 4303	368	9.932 9694 9.933 0334	640		9.880 4241	271	37 36		7. 1	21.4	220.8
25	9.813 4672	369	9.933 0973	639	0.066 9027	9.880 3699	271	35			58.3	257.6
	9.813 5040	368 369	9.933 1612	639 639	0.066 8388	9.880 3428	271 270	34			95.5	294'4
27	9.813 5409	368	9.933 2251	639	0.066 7749		271	33		9 3	35.1	331.5
	9.813 5777	368	9.933 2890	639	0.066 7110	9.880 2887 9.880 2616	271	32	ļ			
29	9.813 6145	368	9.933 3529	639	0.066 5832	9.880 2345	271	31				
30	9.813 6513 9.813 6881	368	9.933 4168 9.933 4807	639	0.066 5193		271	30				
31	9.813 7250	369	9.933 5446	639	0.066 4554	l': ·	271	29 28		1 3	67	366
	9.813 7618	368 368	9.933 6086	640	0.066 3914	1 00	271	27	-		36.4	36.6
34	9.813 7986	367	9.933 6725	639 639	0.066 3275		27 I 27 I	26			73.4	73.5
35	9.813 8353	368	9.933 7364	639	0.066 2036	9.880 0990 9.880 0719	271	25		-,	10.1	100.8
36 37	9.813 8721	368	9.933 8003 9.933 8642	639		9.880 0447	272	24 23			46·8 83·5	146.4 183.0
	9.813 9457	368 368	9.933 9281	639		9.880 0176	271	22	ŀ	~ 1	50.5	219.6
39	9.813 9825	367	9.933 9920	639 639	0.066 0080	9.879 9905	27 I 27 I	21	l	7 2	56.9	256.5
40	9.814 0192	368	9.934 0559	638	0.065 9441	9.879 9634	272	20	ŀ		93.6	292.8
41	9.814 0560	367	9.934 1197	639		9.879 9362	271	19		9 3	30.3	329.4
	9.814 0927	368	9.934 1836	639		9.879 9091	272	18				
	9.814 1295 9.814 1662	367	9.934 2475 9.934 3114	639	0.005 7525	9.879 8819 9.879 8548	271	17 16				
45	9.814 2030	368	0.024 2752	639	0.065 6247	9.879 8276	272	15				
46	9.814 2397	367 367	9.934 4392	639 639	0.065 5608	9.879 8005	271	14	l	•		
47	9.814 2764	-6-	9.934 5031	639	0.065 4969	9.879 7733	271	13				
48	9.814 3131	368	9.934 5670	639		9.879 7462 9.879 7190	272	I 2 I I				
49	9.814 3866	367	9.934 0309	638	0.065 3053	9.879 6918	272	10	,	270	27	1 272
50 51	9.814 4233	367	9.934 6947 9.934 7586	639	0.065 2414		271	1-1	-	27:0	27	
3,	9.814 4600	367	9.934 7580	639		9.879 6375	272	9 8	2	54.0		2 54'4
13	9.814 4967	367 367	9.934 8864	639	0.065 1136	9.879 6103	272 272	7	3	81.0	81	.3 81.6
14	9.814 5334	366	9.934 9502	638 639		9.879 5831	272	6	4	108.0		
15	9.814 5700	367	9.935 0141	639		9.879 5559 9.879 5287	272	5	5	135.0		
17	9.814 6067	367	9.935 0780 9.935 1419	639		9.879 5207 9.879 5015	272	3	7	189.0	l -	, ,
58	9.814 6801	367	9.935 2057	638		9.879 4743	272	2	8	216.0		
	9.814 7167	366	9.935 2696	639	0.064 7304	9.879 4471	272	1	9	243.0	243	9 244.8
0	9.814 7534	367	9.935 3335	639	0.064 6665	9.879 4199	272	0				
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9.814 7534 9.814 7900	d. 366	Tang. 9-935 3335	d. c.	Cotang.	Co	S.	d.					
9.814 7900	266	19.935 22251						7				_
		2 222 2333	638	0.064 6665			272	60	_		39	638
	367	9.935 3973	639	0.064 6027		3927	272	59			63.9	63
9.814 8267 9.814 8633	366	9.935 4612	639	0.064 5388 0.064 4749	9.879	3055	273	58			27.8	127
9.814 8999	366	9.935 5251 9.935 5889	638	0.064 4749			272	57 56		- 1	55.6	191°.
9.814 9366	367 366	9.935 6528	639	0.064 3472			272	55			19.5	319
9.814 9732	366	9.935 7167	639 638	0.064 2833	9.879	2565	273 272	54		5 I	83.4	382
9.815 0098	366	9.935 7805		0.064 2195	9.879			5 3		^ I		446
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9.815 2660	266	9.936 2275						46				
9.815 3026		9.936 2913						45				
9.815 3391	366	9.936 3552	638					44				
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9.815 9235		9.937 3765				1		2Ś		3	65	364
9.815 9600		9.937 4403			9.878	5197		27			36.2	36.
9.815 9965		9.937 5042	638				-	26	:			72.
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9.816 1423								22		. 1	- 1	1827
9.816 1788				0.062 1767				2 I		ı	- 1	254
9.816 2152		9.937 8871		0.062 1129	9.878	3281		20				291
9.816 2516		9.937 9509		0.062 0491	9.878	3008		19	•	9 3	28.5	327
9.816 2881		9.938 0147		0.061 9853	9.878	2734		18				
			638		9.878		-	17				
	364	9.938 1423	638				274					-
9.816 4337		9.938 2600	638	0.061 7301			274					
9.816 4702		9.938 3337	638	0.061 6663	9.878	1364	274					
9.816 5066		9.938 3975	628	0.061 6025	9.878	1090		I 2				
		9.938 4613		0.061 5387	9.878	0816		11				
9.816 5793		9.938 5251		0.061 4749	9.878	0542		10	_ _	272	27	3 2
9.816 6157				0.061 4111	9.878	0268		9	1			
	364	9.930 0527	638	0.061 3473	9.877	9994			2			
	363	9.936 7105	638	0.001 2835	9.877	9719	274		3			-1
	364	0.038 8441	638	0.001 2197	0.877	9445	274					
9.816 7975	363	0.000 00=0					275		6			
9.816 8339		0.028 0717		0.061 0283	9.877	8622		3	7			1 19
9.816 8702		9.939 0355		0.060 9645	9.877	8348		2	8	217.6	218	3.4 21
		9.939 0993	-						9	244 [.] 8	245	7 24
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	9.815 0098 9.815 0098 9.815 0464 9.815 0830 9.815 1196 9.815 1562 9.815 1284 9.815 2660 9.815 3026 9.815 3026 9.815 3391 9.815 3757 9.815 4488 9.815 4488 9.815 454 9.815 5584 9.815 5584 9.815 5950 9.815 6315 9.815 7411 9.815 7776 9.815 8141 9.815 7411 9.815 7776 9.815 8141 9.815 7411 9.815 7776 9.815 8870 9.816 0330 9.816 0330 9.816 0330 9.816 0330 9.816 2881 9.816 2881 9.816 2881 9.816 3245 9.816 3245 9.816 3245 9.816 5429 9.816 5429 9.816 5793 9.816 6521 9.816 5793 9.816 6721 9.816 5793 9.816 6722 9.816 6722 9.816 7248 9.816 7248 9.816 7248 9.816 7248 9.816 7248 9.816 7248 9.816 7248	9.815 0098 366 9.815 0464 366 9.815 0830 366 9.815 1196 366 9.815 1562 366 9.815 1562 366 9.815 2294 366 9.815 3026 365 9.815 3391 366 9.815 3757 366 9.815 3428 366 9.815 4428 365 9.815 4488 366 9.815 5584 365 9.815 5584 365 9.815 5584 365 9.815 5858 365 9.815 5815 365 9.815 5815 365 9.815 5816 365 9.815 8704 365 9.815 8870 365 9.815 8965 365 9.815 9065 365 9.815 9065 365 9.815 9235 365 9.815 9065 365 9.815 9235 365 9.815 9235 365 9.816 0330 364 9.816 1059 364 9.816 2516 9.816 2516 9.816 2516 9.816 2516 9.816 2516 9.816 2516 9.816 373 364 9.816 373 364 9.816 373 364 9.816 5793 9.816 5793 9.816 5793 9.816 6521 9.816 6521 9.816 6521 9.816 6521 9.816 6521 9.816 6521 9.816 6521 9.816 6523 9.816 6702 9.816 6703 364 9.816 6703	9.815 0098 366 9.935 7805 9.815 0464 9.815 1968 9.935 9721 366 9.935 9082 9.935 9082 9.815 1968 9.936 0369 9.936 0369 9.936 1636 9.936 2275 366 9.936 2275 366 9.936 2275 366 9.936 2275 366 9.936 2275 366 9.936 2275 366 9.936 2275 366 9.936 2275 366 9.936 5467 9.815 4888 9.815 5219 9.815 5219 9.815 5219 9.815 5219 9.815 6315 365 9.815 6315 365 9.815 6315 365 9.815 6315 365 9.815 6315 365 9.815 8704 9.815 8704 9.816 3030 9.815 9055 9.815 9055 9.815 9055 9.815 9055 9.815 9055 9.815 9055 9.815 9055 9.815 9055 9.815 9055 9.815 9055 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.816 0320 9.937 5680 9.937 5680 9.938 0327 5680 9.938 0327 5680 9.938 0327 5680 9.938 0328 9.938 0328 9.938 0328 9.938 0328 9.938 0328 9.938 0328 9.938 0328 9.938 0328 9.939 9.938 9.939 9.938 9.939 9.9	9.815 0098 366 9.935 7805 639 9.935 9082 639 9.935 9082 639 9.935 9082 639 9.935 9093 639 639 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 638 9.936 0398 0398 0398 0398 0398 0398 0398 0398	9.815 0098 366 9.935 7805 639 0.064 2195 9.815 0830 366 9.935 8444 638 0.064 0918 9.935 9082 9.815 1928 366 9.936 0359 9.815 1928 366 9.936 0359 9.815 2294 366 9.936 2275 638 0.063 9020 0.063 9020 0.063 90815 39.815 3026 365 9.936 2275 638 0.063 7087 39.815 3026 365 9.936 2275 638 0.063 7087 39.815 3391 366 9.936 2275 638 0.063 7087 39.815 3391 366 9.936 2275 638 0.063 5810 0.063 9.815 3391 366 9.936 4190 9.936 3552 638 0.063 5810 0.063 9.815 3412 3 365 9.936 6105 639 9.936 5467 638 0.063 5810 0.063 9.815 5984 366 9.936 6105 639 0.063 3644 9.938 5815 9.936 6105 9.936 8021 3.815 5984 366 9.936 6105 365 9.936 9.936 8021 3.815 5985 365 9.936 9.936 8021 3.815 5985 365 9.936 9.936 8021 3.815 9.936 8021 3.815 9.937 1212 3.815 9.938 1213 3.815 9.938 1	9.815 0.068 366 9.935 7805 366 9.935 9844 9.815 0.064 1.556 9.879 0.064 0.064 0.064 9.879 0.064 0.064 0.063 9.879 0.064 0.063 9.879 0.064 0.063 9.879 0.064 0.063 9.879 0.064 0.063 9.879	9.815 0.068 366 9.935 7805 639 0.064 0.918 9.879 2293 366 9.935 9.825 639 0.064 0.918 9.879 1748 0.064 0.918 9.879 1748 0.064 0.918 9.879 1748 0.064 0.918 9.879 1748 0.064 0.918 9.879 1748 0.064 0.918 9.879 1748 0.063 9.815 1.928 366 9.936 0.938 0.063 9.020 9.879 0.930 9.815 3.060 9.936 1036 0.063 9.063 804 9.879 0.063 9.815 3.061 3.063 3.063 3.063 3.063 9.879 0.063 9.815 3.061 3.063 3.063 3.063 3.063 9.879 0.063 9.815 3.061 3.063 3.0	9.815 0098 366 9.935 7805 639 815 1196 9.935 9082 9.815 1196 366 9.935 9082 9.815 1196 366 9.936 9085 9.815 1192 366 9.936 9085 9.815 1228 366 9.936 1636 365 9.815 2260 366 9.936 2275 638 9.815 3831 366 9.936 2275 638 9.815 3831 366 9.936 2275 638 9.815 3831 366 9.936 2275 638 9.815 3831 366 9.936 2275 638 9.815 3831 366 9.936 2275 638 9.815 3831 366 9.936 2275 638 9.815 3831 366 9.936 2275 638 9.815 3831 366 9.936 2275 638 9.815 3831 366 9.936 8629 9.815 1282 365 9.936 8221 9.815 3851 3851 3851 3851 3851 3851 3851 3	9.815 0098 366 9.935 7805 639 8444 638 0.064 2195 9.879 22031 273 539 8454 8488 9.815 2824 366 9.935 9.021 638 9.815 1965 3836 9.935 0.064 2195 9.879 1748 273 51 9.815 1965 366 9.936 0.936 0.063 8364 9.879 1748 272 51 0.064 0.064 0.063 9.879 1748 273 51 0.063 9.815 1965 366 9.936 0.936 0.063 8364 9.879 0.063 273 489 9.815 3026 366 9.936 1636 369 9.936 1636 369 9.936 1636 369 9.936 2913 366 9.936 2913 366 9.936 2913 366 9.936 4190 8.879 0.063 8364 9.879 0.063 83	9.815 0098 366 9.935 7805 638 0.064 2195 9.879 2293 772 53 23 248 273 51 273	9.815 0098 366 9.935 7805 638 0.064 2195 0.879 2293 72 53 8 59 9.815 0.846 366 9.935 9082 638 0.064 0.918 0.879 1748 272 51 9.815 1968 366 9.935 9.821 638 0.064 0.918 9.879 1748 272 51 9.815 1968 366 9.935 0.935 0.063 0.064 0.918 0.879 1748 272 51 9.815 1968 366 9.935 0.935 0.063 0.064 0.918 0.879 1748 272 50 0.063 0	9.815 0098 366 9.935 7805 369 0.064 12516 9.879 2293 72 33 7 4473 349 9.815 0830 366 9.935 9082 366 9.935 9082 368 9.935 9082 368 9.935 9082 368 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 9082 369 9.936 0.063 369 9.936 0.063 9082 369 9.936 0.063 369 9.937 0.063 369 9.936 0.063 369 9.937 0.063 369 9.936 369 9.937 0.063 369 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			2	44	m							
s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.		H			
0	9.816 9429	363	9.939 1631	625	0.060 8369	9.877 7799		60		1	638	637
1	9.816 9792	364	9.939 2268	637	0.060 7732	9.877 7524	275	59		1	63.8	63.7
2	9.817 0156	363	9.939 2906	638		9.877 7249	274	58	n.		127.6	127'4
3	9.817 0519 9.817 0882	363	9.939 3544 9.939 4182	638	0.060 6456	9.877 6975 9.877 6700	275	57			191'4	191.1
5	9.817 1245	363	9.939 4820	638	0.060 5180	9.877 6425	275	55		07. 10.0	319'0	254'8 318'5
6	9.817 1608	363 363	9.939 5457	637 638		9.877 6151	274	54			82.8	382.2
7	9.817 1971	363	9.939 6095	638		9.877 5876	275	53			46.6	445'9
8	9.817 2334	363	9.939 6733	638	0.060 3267		275	52			10.4	509.6
9	9.817 2697	363	9.939 7371	638	0.060 2629	9.877 5326	275	51		9 1 3	74.2	573'3
-	9.817 3060	362	9.939 8646	637	0.060 1991	9.877 5051	275	50				
11	9.817 3422 9.817 3785	363	9.939 8040	638	0.060 1354	9.877 4776 9.877 4501	275	49 48				
13	9.817 4148	363	9.939 9922	638		9.877 4226	275	47				
14	9.817 4510	362 363	9.940 0559	638	0.059 9441	9.877 3951	275	46				
15	9.817 4873	362	9.940 1197	638	0.059 8803		275	45				
16	9.817 5235 9.817 5598	363	9.940 1835 9.940 2472	637	0.059 8165	9.877 3401 9.877 3126	275	44				
18	9.817 5960	362	9.940 3110	638	0.059 6890	9.877 2850	276	43		-1	363	362
19	9.817 6323	363 362	9.940 3748	638	0.059 6252	9.877 2575	275	41	-	I	36.3	36.5
20	9.817 6685	362	9.940 4385	637 638	0.059 5615	9.877 2300	275	40		2	72.6	72'4
21	9.817 7047	362	9.940 5023	637	0.059 4977	9.877 2024	276	39			108.9	108.6
22	9.817 7409	362	9.940 5660	638	0.059 4340	9.877 1749	276	38			45'2	144'8
23	9.817 7771 9.817 8133	362	9.940 6298 9.940 6936	638	0.059 3702		275	37			181.2	181.0
25	9.817 8495	362	9.940 0930	637	0.059 3064		276	35		O. TILA	254'1	253'4
26	9.817 8857	362 362	9.940 8211	638		9.877 0647	275	34			290.4	289.6
27	9.817 9219	362	9.940 8848	638	0.059 1152	9.877 9371	275	33	177	913	326.7	325.8
28	9.817 9581	362	9.940 9486	637	0.059 0514		276	32				
29	9.817 9943 9.818 0305	362	9.941 0123	638	0.058 9877	9.876 9820	276	31				
30	9.818 0666	361	9.941 0761	637	0.058 9239	9.876 9544	276	30				
31	9.818 1028	362	9.941 1398 9.941 2036	638	0.058 8602	9.876 9268 9.876 8993	275	29 28		i.	361	360
33	9.818 1390	362 361	9.941 2673	637		9.876 8717	276	27	-	ī	36.1	36'0
34	9.818 1751	362	9.941 3310	638	Control of the Contro	9.876 8441	276	26		2	72.2	72.0
35	9.818 2113 9.818 2474	361	9.941 3948	637		9.876 8165	276	25		3	108.3	108.0
36	9.818 2835	361	9.941 4585 9.941 5223	638	0.058 5415		276	24			44'4	144'0
38	9.818 3197	362 361	9.941 5860	637 637	- A	9.876 7337	276	22	13	-	180.2	180.0
39	9.818 3558	361	9.941 6497	638	0.058 3503	9.876 7061	276	21		M. 1	252.7	252.0
40	9.818 3919	361	9.941 7135	637	0.058 2865	9.876 6785		20	1	8 2	8.88	288.0
41	9.818 4280	362	9.941 7772	637		9.876 6508	277	19	N	91;	324'9	324'0
42	9.818 4642 9.818 5003	361	9.941 8409	638		9.876 6232	276	18				
43	9.818 5364	361	9.941 9047 9.941 9684	637		9.876 5956 9.876 5680	276	17 16				
45	9.818 5725	361 361	9.942 0321	637 638		9.876 5403	277	15				
46	9.818 6086	361 360	9.942 0959	637	0.057 9041	9.876 5127	276	14				
47	9.818 6446	361	9.942 1590	637		9.876 4850	277	13				
48	9.818 6807 9.818 7168	361	9.942 2233 9.942 2870	637		9.876 4574 9.876 4297	277	12				
50	9.818 7529	361	2 2 1 2 2 2 2 2	638	0.057 7130	9.876 4297	276	11	Y	275	27	6 277
51	9.818 7889	360	9.942 4145	637		9.876 3744	277	9	-	27	_	7.6 27
52	9.818 8250	361	9.942 4782	637	0.057 5218	9.876 3448	276	8	2	55		5.2 55
53	9.818 8610	360 361	9.942 5419	637 638	0.057 4581	9.876 3191	277	7	3	82		2.8 83
54	9.818 8971	360	9.942 6057	637	0.057 3943	9.876 2914	277 276	6	4	110		0'4 110
	9.818 9331 9.818 9692	361	9.942 6694	637		9.876 2638 9.876 2361	277	5	5	137		
57		360	9.942 7331 9.942 7968	637		9.876 2361	277	3	7	165		
	9.819 0412	360	9.942 8605	637	0.057 1395	9.876 1807	277	2	8	220		0.8 551.
59	9.819 0772	360 361	9.942 9242	637	0.057 0758	9.876 1530	277	1	9	247		84 249
60	9.819 1133	301	9.942 9879		0.057 0121		277	0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.				
			3'	15	m							
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.819 1133	360	9.942 9879	637	0.057 0121	9.876 1253	277	60		_	38	637
I	9.819 1493	360	9.943 0516	638	0.056 9484	9.876 0976	277	59			3.8	63.7
2	9.819 1853 9.819 2213	360	9.943 1154 9.943 1791	637	0.056 8846 0.056 8209	9.876 0699 9.876 0422	277	58 57		. n es	27.6	191'1
3	9.819 2573	360	9.943 2428	637	0.056 7572	9.876 0145	277	56			55.2	254.8
5	9.819 2933	360	9.943 3065	637	0.056 6935	9.875 9868	277	55			19.0	318.5
6	9.819 3292	359 360	9.943 3702	637	0.056 6298	9.875 9591	277	54		6 3	82.8	382'2
7	9.819 3652	360	9.943 4339	637	0.056 5661	9.875 9313	277	53			16.6	445'9
8	9.819 4012 9.819 4372	360	9.943 4976	637	0.056 5024	9.875 9036 9.875 8759	277	52 51			74'2	509'6
9	9.819 4731	359		637	0.056 3750	9.875 8481	278	50		9 1 3	4-1	573'3
<u> </u>	9.819 5091	360	9.943 6250	637	0.056 3113	9.875 8204	277	49				
12	9.819 5450	359	9.943 7524	637	0.056 2476	9.875 7927	277	48				
13	9.819 5810	360	9.943 8161	637	0.056 1839	9.875 7649	278	47				
14	9.819 6169	359 360	9.943 8798	637 637	0.056 1202	9.875 7372	277	46				
15	9.819 6529	359	9.943 9435	637	0.056 0565	9.875 7094	278	45				
16 17	9.819 6888 9.819 7247	359	9.944 0072 9.944 0708	636	0.055 9928 0.055 9292	9.875 6816 9.875 6539	277	44				
8	9.819 7606	359	9.944 1345	637	0.055 8655	9.875 6261	278	42		1 3	60	359
19	9.819 7966	360	9.944 1982	637	0.055 8018	9.875 5983	278	41		_	360	35'9
20	9.819 8325	359	9.944 2619	637	0.055 7381	9.875 5706	277	40			72'0	71.8
15	9.819 8684	359 359	9.944 3256	637	0.055 6744	9.875 5428	278 278	39		-	08.0	107'7
22	9.819 9043	359	9.944 3893	637 637	0.055 6107	9.875 5150	278	38			80.0	143'6
23	9.819 9402	359	9.944 4530	636	0.055 5470		278	37		-	16.0	179'5
24 25	9.819 9761	358	9.944 5166 9.944 5803	637	0.055 4834	9.875 4594	278	36		400	52'0	251'3
26	9.820 0478	359	9.944 6440	637		9.875 4038	278	35 34			88.0	287.2
27	9.820 0837	359	9.944 7077	637	0.055 2923	9.875 3760	278	33		9 3	24'0	323.1
28	9.820 1196	359 358	9.944 7714	636		9.875 3482	278	32				
29	9.820 1554	359	9.944 8350	637	0.055 1650	9.875 3204	278	31				
30	9.820 1913	358	9.944 8987	637	0.055 1013	9.875 2926	279	30				
31	9.820 2271	359	9.944 9624	637	0.055 0376	9.875 2647	278	29		1 -	. o . i	455
32	9.820 2630 9.820 2988	358	9.945 0261	636		9.875 2369	278	28	-	3	58	357
33 34	9.820 2988	359	9.945 0897 9.945 1534	637	0.054 9103 0.054 8466		278	27 26			35.8	35'7
35	9.820 3705	358	9.945 2171	637	0.054 7829	9.875 1534	279	25			7.4	71.4
36	9.820 4063	358 3 5 8	9.945 2807	636	0.054 7193		278	24		_	13.5	142.8
37	9.820 4421	359	9.945 3444	637	0.054 6556		278	23			9.0	178-5
38	9.820 4780	358	9.945 4081	636	0.054 5919 0.054 5283	9.875 0699	279	22		240	14.8	214'2
39	9.820 5138	358	9.945 4717	637		9.875 0420	278	21			36.4	249'9
10	9.820 5496	358	9.945 5354	637		9.875 0142	279	20			22.2	321.3
ļ I ļ 2	9.820 5854 9.820 6212	358	9.945 5991 9.945 6627	636	0.054 4009 0.054 3373	9.874 9863 9.874 9584	279	19		, 1 3		33
13	9.820 6570	358	9.945 7264	637	0.054 2736	9.874 9304	278	17				
14	9.820 6927	357 358	9.945 7900	636	0.054 2100	9.874 9027	279	16				
15	9.820 7285	358	9.945 8537	637 637	0.054 1463	9.874 8748	279 279	15				
6	9.820 7643 9.820 8001	358	9.945 9174	636	0.054 0826	9.874 8469	279	14				
17 18	9.820 8358	357	9.945 9810 9.946 0447	637	0.054 0190 0.053 9553	0.874 7012	278	13				
19	9.820 8716	220	9.946 1083	636	0.053 8917	9.874 7633	279	11				
50	9.820 9073	357	9.946 1720	637	0.053 8280	9.874 7354	279	10	1	277	278	8 279
51	9.820 9431	33-	9.946 2356	636	0.053 7644	9.874 7075	279	9	1	27'7	27	_
52	9.820 9788	33/1	9.946 2993	637	0.053 7007		280	8	2	55'4	55	6 55.8
53	9.821 0146	358 357	9.946 3629	636 637	0.053 6371	9.874 6516	279 279	7	3	83.1	83	4 837
	9.821 0503	357	9.946 4266	636	0.053 5734		279	6	4	110.8		
55	9.821 0860 9.821 1217	357	9.946 4902 9.946 5539	637	0.053 5098		279	5	5	138.5		
57	9.821 1575	358	9.946 6175	636	0.053 4461		279	4	7	193'9	10010	
58	9.821 1932	357	9.946 6811	636	0.053 3189		280	2	8	221.6		
59	9.821 2289	357	9.946 7448	637	0.053 2552	9.874 4841	279 280	1	9	249'3		
50	9.821 2646	357	9.946 8084	636	0.053 1916	9.874 4561	200	0				
_	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	S.				
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0.821			9.946 8084	6	0.053	1916	9.874	4561		60		1	63	6 1	63	5
	3003	357	9.946 8721	637	0.053	1279	9.874	4282	279	59	1	1	6	3.6	63	
9.821	3360	357	9.946 9357	636 636	0.053	0643	9.874	4003	279	58		2	12	7.2	127	.0.
9.821	3716	356 3 57	9.946 9993	637	0.053		9.874		280	57		3	-	9.0	190	5
9.821		357	9.947 0630	636			9.874		279	56	10	4		4'4	254	
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		356		637					280	C	ш				100	
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			9.947 7629		_					45						
9.821	8351	356	9.947 8265		0.052	1735	9.874	0085	1000000	44						
			9.947 8901		-				280	43		-				
			9.947 9538						280	42	-	_		_		_
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					0.051	9190			280	40		2		200		
			9.948 1446						1.00	39						
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									280	37		6				
				636	0.051	6000	9.873	7044	281	175.520		000		7 70 1		
		356	9.946 3991	636					280	9.74	13	8				
	1	355		636	200				1000	100.00	13	9			320	4
		356			-				93.52	10000	1			-		
			9.948 6535						12.0							
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_			0.048 7807	636			-			-						
			0.048 8443		-	10.00		2000	100000			1	35	5 1	354	1
		-							200	1	-	7				
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			9.949 0351						17.75	25		- 1		-		
			9.949 0987						100	24			14	2'0	141	.6
									281	23		5	17	7.5	177	.0
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		355			0.050	2652	0.873									
		354	9.949 7981		0.050	2017	9.873									
			9.949 8619		0.050	1381	9.873	1102		12						
			9.949 9254							11						
9.823	0429		9.949 9890						1	10	1	28	0	28		282
			9.950 0526)	9	1			28	1	28.2
9.823	1138		9.950 1162		0.049	8838	9.872	9976		8	2	5	6.0			56.4
9.823	1492		9.950 1798		0.049	8202	9.872	9694		7	3	8	4.0		-1	84.6
		353	9.950 2434		0.049	7566	9.872	9413		6	4				• 1	112.8
9.823	2201		9.950 3069		0.049	6931	9.872	9131	282	5	5					141.0
			9.950 3705		0.049	6295	9.872	8849	281	4				_		169.2
			9.950 4341		0.049	5059	9.872	8508	282		7					197:4
				636	0.049	5023	9.072	8004	282							225 ^{.6} 253 ^{.8}
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Co	S.	d.		_		ıg.	Si	n.	d.	S,						
			3/	13	m											
	9.821 9.821 9.821 9.821 9.821 9.821 9.821 9.821 9.821 9.821 9.821 9.822 9.823	9.821 4787 9.821 5143 9.821 5500 9.821 5550 9.821 6569 9.821 7282 9.821 7282 9.821 7995 9.821 7995 9.821 9063 9.821 9075 9.821 9073 9.822 9131 9.822 0131 9.822 1198 9.822 1198 9.822 1554 9.822 1198 9.822 1554 9.822 2652 9.822 2676 9.822 2676 9.822 3332 9.822 3687 9.822 5168 9.822 5463 9.822 5463 9.822 5463 9.822 6528 9.822 6528 9.822 6528	9.821 4787 356 9.821 5500 9.821 5500 9.821 5500 9.821 6213 9.821 6926 9.821 6926 9.821 7826 9.821 7826 9.821 7827 9.821 8351 9.821 8351 9.821 8351 9.821 8351 9.821 9419 9.821 9419 9.821 910 9.822 1910 9.822 1910 9.822 2265 9.822 2265 9.822 2265 9.822 2335 9.822 335 9.822 335 9.822 335 9.822 335 9.822 4042 9.823 355 9.822 4398 9.822 4398 9.822 4398 9.822 5108 9.822 5108 9.822 5108 9.822 335 9.823 355	9.821 4787 9.821 5143 9.821 5500 9.821 5505 9.821 6213 9.821 6213 9.821 6926 9.821 7282 9.821 7282 9.821 7282 9.821 7638 9.821 7638 9.821 7995 9.821 9063 9.821 9063 9.821 9949 9.821 9949 9.821 1989 9.822 1910 9.822 1910 9.822 1910 9.822 2265 9.822 2265 9.822 2265 9.822 23637 9.822 3332 9.822 24949 9.823 3687 9.824 4042 9.822 4753 9.822 3687 9.822 4753 9.822 4753 9.822 5108 9.822 5108 9.822 3332 9.822 3687 9.822 3687 9.822 3687 9.822 3687 9.822 3687 9.822 37948 9.823 3687 9.824 6535 9.948 7171 9.948 7807 9.948 8443 9.948 9715 9.948 9715 9.949 9889 9.949 0351 9.949 0351 9.949 0351 9.949 0351 9.949 0351 9.949 0351 9.949 9899 9.949 675 9.949 9899 9.949 675 9.949 9899 9.949 9899 9.950 0526 9.920 0434 9.949 9899 9.949 9899 9.950 0526 9.950 3705 9.950 5613 9.950 6248 Cos. d. Cotang.	9.821 4787 356 9.947 1902 637 9.821 5143 356 9.947 3811 636 9.947 3811 637 9.947 4448 636 9.947 5720 637 9.947 5720 637 9.947 5720 637 9.947 6357 636 9.947 6357 9.821 7935 356 9.947 8265 356 9.947 8265 636 9.947 8265 636 9.947 8265 636 9.947 8265 636 9.947 8265 636 9.947 8265 636 9.947 8265 636 9.947 8265 636 9.947 8265 636 9.947 8265 636 9.947 8265 636 9.948 8262 9376 9.948 82719 9.821 1910 356 9.948 8282 9382 355 9.948 82719 9.822 1198 356 9.948 8282 9382 355 9.948 8262 637 9.822 2265 356 9.948 8262 637 9.948 8262 9.822 2363 355 9.948 8263 9.949 8263 9.949 9.949 9.948 9.949	9.821 4787 356 9.947 1902 637 0.052	9.821 54787 3567 9.947 1902 637 636 0.052 8098 9.821 5143 357 9.947 2539 636 0.052 6825 6825 9.947 3175 636 0.052 6189 9.947 5084 636 0.052 6189 9.947 5084 636 0.052 4280 9.947 6357 636 0.052 3067 9.947 6357 636 0.052 3067 9.947 6357 636 0.052 3067 9.947 6357 636 0.052 3067 9.947 6357 636 0.052 3067 9.947 6357 636 0.052 3067 9.947 6357 636 0.052 3067 9.947 6357 636 0.052 3067 9.947 7629 9.821 8351 356 9.947 8265 636 0.052 2371 9.821 9063 356 9.947 8265 636 0.052 2371 9.821 9075 356 9.948 0.051 9.948 0.051 9.948 0.051 9.948 0.051 9.948 0.051 9.948 0.051 9.948 0.051 9.948 0.051 9.948 0.051 9.948 0.051 9.948 0.051 9.948 0.051 6364 0.051 6045 9.948 0.051 6045 9.948 0.051 6364 0.051 6045 9.948 0.051 6364 0.051 6045 9.948 0.051 6364 0.051 6045 9.948 0.051 6364 0.051 6045 9.948 0.051 6364 0.051 6045 9.948 0.051 6364 0.051 6045 9.948 0.051 6364 0.051 6045 9.948 0.05	9.821 54787 356 9.947 1902 637 0.052 8098 9.874 9.821 5500 9.821 5505 9.947 3175 636 0.052 6825 9.874 9.821 6263 356 9.947 6357 636 0.052 66825 9.874 9.821 7282 336 9.947 6720 9.821 7282 3356 9.947 6720 9.821 7282 3356 9.947 6720 9.821 8351 356 9.947 6933 636 0.052 3643 9.874 9.821 9063 356 9.947 6993 636 0.052 3643 9.874 9.821 9063 356 9.947 8901 9.821 9073 356 9.947 8901 9.821 9075 356 9.948 8010 9.822 0487 355 9.948 8010 9.822 0487 355 9.948 8010 9.822 1313 356 9.948 8010 9.822 1313 356 9.948 8010 9.822 1313 356 9.948 8010 9.822 1313 356 9.948 8010 9.822 1313 356 9.948 8010 9.822 1310 355 9.948 8010 9.822 1310 355 9.948 8010 9.822 1310 355 9.948 8010 9.822 1310 355 9.948 8010 9.822 2265 355 9.948 8010 9.822 2265 355 9.948 8010 9.822 2332 9.948 8010 9.948 8010 9.822 2332 9.948 8010 9.948 8010 9.822 2332 9.948 8010 9.948 8010 9.822 3335 9.948 8010 9.948 8010 9.822 3335 9.948 8010 9.822 3355 9.948 8010 9.822 3355 9.948 8010 9.822 3355 9.948 8010 9.822 3355 9.948 8010 9.822 3355 9.948 8010 9.822 3355 9.948 8010 9.822 3355 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.948 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.949 8010 9.822 3355 9.949 9.940 8010 9.822 3355 9.949 9.940 8010 9.822 3355 9.949 9.940 8010 9.940 9.873 9.822 3355 9.949 9.940 8010 9.940 9.873 9.822 3355 9.949 9.940 8010 9.940 9.873 9.940 9.940 9.873 9.822 3355 9.949 9.9	9.821 5500 356 9.947 3811 636 0.052 4880 9.874 2854 9.821 5856 357 9.947 3811 636 0.052 6825 9.874 2235 9.821 5856 357 9.947 5848 636 0.052 4880 9.874 2235 9.821 7282 356 9.947 5720 0.052 4880 9.874 1765 9.821 7985 356 9.947 6357 636 0.052 4880 9.874 0245 9.821 7985 356 9.947 6297 6366 0.052 4870 9.874 1765 9.821 7985 356 9.947 7629 636 0.052 4870 9.874 1765 9.821 9775 356 9.947 7629 636 0.052 2371 9.874 0.962 9.821 9419 356 9.948 8010 637 0.052 17135 9.874 0.962 9.821 9419 356 9.948 81074 9.822 1198 356 9.948 81074 9.822 1198 356 9.948 82719 6.36 0.051 8524 9.822 1198 356 9.948 82719 6.36 0.051 8524 9.822 1198 356 9.948 84027 9.822 1198 356 9.948 84027 9.822 1198 355 9.948 84027 9.822 2265 355 9.948 84027 9.822 2265 355 9.948 84027 9.822 2261 355 9.948 84027 9.822 2261 355 9.948 84027 9.822 2365 356 9.948 84027 9.822 2453 356 9.948 84027 9.822 2453 356 9.948 84027 9.822 2453 356 9.948 84027 9.822 2453 356 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.948 84027 9.822 2453 355 9.949 8715 0.36 0.051 1557 9.873 5599 9.822 2518 355 9.949 9.823 355 9.949 9	9.821 (4787) 356 9.947 19.02 636 6	9.821 (47.8) 356 9.947 (39.2) 636 0.052 (36.2) 8.74 (28.4) 280 5.948 3	9.821 543	9.821 5143 357 9.947 1902 636 0.052 8098 9.874 2884 289. 54 6 6 7.052 9.821 5143 357 9.947 28175 636 0.052 6855 9.874 2325 280 51 9.821 5183 51 357 9.947 5780 636 0.052 4816 9.874 1205 280 51 9.821 7282 356 9.947 693 636 0.052 4816 9.874 1405 280 51 9.821 7638 357 9.947 5780 636 0.052 4816 9.874 1405 280 48 89.821 7638 357 9.947 693 636 0.052 4816 9.874 1405 280 48 89.821 7955 356 9.947 693 636 0.052 3007 9.874 0.062 280 48 89.821 7805 356 9.947 693 636 0.052 3007 9.874 0.062 280 48 89.821 9063 356 9.948 7805 636 0.052 1701 9.874 0.062 280 48 89.821 9419 356 9.948 0110 636 0.052 1701 8.983 9.821 9175 356 9.948 0110 636 0.052 1701 8.983 9.821 910 9.822 20842 355 9.948 8279 3636 0.051 7918 9.873 8055 280 41 1 9.822 2084 356 9.948 3991 636 0.051 6009 9.873 8812 42 80 9.822 20842 356 9.948 8503 356 0.051 6009 9.873 8812 42 80 9.822 20842 356 9.948 8503 363 0.051 6009 9.873 8580 280 44 280 382 20842 356 9.948 8503 356 0.051 6009 9.873 8580 280 44 280 382 20842 356 9.948 8503 356 0.051 6009 9.873 8580 280 44 280 382 20842 356 9.948 8503 363 0.051 6009 9.873 8580 280 44 280 38 50 9.822 2061 355 9.948 8523 366 0.051 6009 9.873 8580 280 44 280 38 50 9.822 2061 355 9.948 8503 363 0.051 6009 9.873 8580 280 381 381 381 381 381 381 381 381 381 381	9.821 5143 356 9.947 2539 636 0.052 8098 9.874 2884 289 54 6 8 50 9.821 5350 356 9.947 3811 636 0.052 6825 9.874 2045 280 51 9 8.71 261 281 281 281 281 281 281 281 281 281 28	9.821 4787 357 9.947 1902 981 1505 55 9947 3175 636 0.052 6825 9.874 2624 279 528 683 9.821 6569 357 9.947 5084 69.821 626 356 9.947 5084 636 0.052 6825 9.874 2624 279 80.821 7638 357 9.947 5084 636 0.052 4810 9.874 1205 280 49 9.821 7828 357 9.947 5084 636 0.052 4810 9.874 1205 280 49 9.821 7828 357 9.947 7629 636 0.052 4810 9.874 1205 280 49 9.821 7828 357 9.947 7629 636 0.052 3619 9.874 0205 280 48 9.821 963 357 9.947 7629 636 0.052 4810 9.874 0205 280 48 9.821 963 356 9.947 8265 636 0.052 3619 9.874 0205 280 48 9.821 960 356 9.947 8265 636 0.052 3619 9.874 0205 280 48 9.821 960 356 9.947 9538 686 0.052 1039 9.874 0205 280 48 9.821 960 356 9.948 80174 9.821 960 356 9.948 80174 9.822 0.052 3619 9.948 80174 9.822 0.051 9.948 80174 9.822 0.051 9.948 80174 9.822 1988 365 9.948 8029 9.822 265 365 9.948 8029 9.82	9.821 543 357 9.947 9229 636 9.821 559 636 9.947 3175 636 0.052 6825 9.874 2045 280 53 8 508.8 508 9.821 5363 559 9.947 3175 636 0.052 6825 9.874 2045 280 51 8 508.8 508 9.821 6569 337 9.947 5084 636 0.052 6818 9.874 1763 280 51 9 572.4 571 571 571 571 571 571 571 571 571 571

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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.823 3971	353	9.950 6248	636	0.049 3752	9.872 7722	282	60		6	36	635
1	9.823 4324	354	9.950 6884	636	0.049 3116	9.872 7440	282	59		1	53.6	63.2
2	9.823 4678	354	9.950 7520	635	0.049 2480		282	58			27.2	127.0
3	9.823 5032	354	9.950 8155	636		9.872 6876	282	57	ŀ	- 1 '	90.8	190.2
4	9.823° 5386 9.823° 5739	353	9.950 8791 9.950 9427	636		9.872 6594 9.872 6312	282	56			4.4	254.0
5	9.823 6093	354	9.951 0063	636	0.048 9937	9.872 6030	282	55			81.9 18.0	381.0
7	9.823 6446	353	9.951 0698	635	0.048 9302	9.872 5748	282	54 53	ŀ		15.5	444.2
8	9.823 6800	354 353	9.951 1334	636 636	0.048 8666	9.872 5466	282	52	ŀ	<u> </u>	8.8	208.0
9	9.823 7153		9.951 1970	635	0.048 8030	9.872 5184	282	51	ŀ		72.4	571.5
10	9.823 7507	354	9.951 2605	636	0.048 7395	9.872 4901	283	50	ŀ			•
_	9.823 7860	353	9.951 3241		0.048 6759	9.872 4619	282	49	i			
12	9.823 8213	353	9.951 3876	635 636	0.048 6124		282 283	48	1			
13	9.823 8566	353 353	9.951 4512	636		9.872 4054	282	47				
14	9.823 8919	354	9.951 5148	635	0.048 4852	9.872 3772	283	46	l			
5	9.823 9273	353	9.951 5783	636		9.872 3489	282	45	l			
16	9.823 9626	353	9.951 6419	635	0.048 3581		283	44			•	
7	9.823 9979	353	9.951 7054	636	0.048 2946	9.872 2924	282	43			I	
81 19	9.824 0332 9.824 0684	352	9.951 7690 9.951 8326	636	0.048 2310	9.872 _. 2642 9.872 2359	283	42	-		54	353
<u> </u>		353		635			283	41			35.4	35.3
20	9.824 1037	353	9.951 8961	636	0.048 1039	9.872 2076	282	40	ŀ		70 [.] 8	70.0
2 1	9.824 1390	353	9.951 9597	635	0.048 0403	9.872 1794	283	39	ŀ	- 1	11.6	105'9
22	9.824 1743 9.824 2096	353	9.952 0232 9.952 0868	636	0.047 9768	9.872 1511 9.872 1228	283	38	l	• 1	77.0	176.2
24	9.824 2448	352	9.952 1503	635		9.872 0945	283	37 36		3 I '	12.4	211.8
25	9.824 2801	353	9.952 2139	636	0.047 7861	9.872 0662	283	35		7 2	47·8	247'1
26	9.824 3153	352	9.952 2774	635 636	0.047 7226		283	34			33.5	282.4
27	9.824 3506	353 352	9.952 3410	635	0.047 6590	9.872 0096	283 283	33		9 3	18.6	317.7
28	9.824 3858	353	9.952 4045	635	0.047 5955		283	32	l			
29	9.824 4211	352	9.952 4680	636	0.047 5320	9.871 9530	283	31				
30	9.824 4563	352	9.952 5316	635	0.047 4684	9.871 9247	283	30				
31	9.824 4915	352	9.952 5951	636	0.047 4049	9.871 8964	283	29	ŀ			
32	9.824 5267	353	9.952 6587	635	0.047 3413	9.871 8681	283	28		3	52	351
33	9.824 5620	352	9.952 7222	636		9.871 8398	284	27	•	1	35.5	35.1
34	9.824 5972	352	9.952 7858	635		9.871 8114	283	26		2	70'4	70.3
35	9.824 6324 9.824 6676	352	9.952 8493	635	0.047 1507	9.871 7831	283	25			25.6	102.3
36 37	9.824 7028	352	9.952 9128	636	0.047 0072	9.871 7548 9.871 7264	284	24			10.8	140'4
38	9.824 7380	352	9.953 0399	635	0.046 9601		283	23 22	ŀ	- 1	6.0	175.5
39	9.824 7732	352	9.953 1034	635	0.046 8966		284	21	ĺ		16.4	210 ⁶
10	9.824 8083	351	9.953 1670	636	0.046 8330	9.871 6414	283	20			31.6	280.8
11	9.824 8435	352	9.953 2305	635		9.871 6130	284				6.8	312.9
12	9.824 8787	352	9.953 2940	635		9.871 5847	283	18		, , ,	•	5 5 7
13	9.824 9139	352	9.953 3576	636		9.871 5563	284	17				
14	9.824 9490	351	9.953 4211	635	0.046 5789	9.871 5279	284	16				
15	9.824 9842	352 351	9.953 4846	635 636	0.046 5154	9.871 4995	284 283	15				
1 6	9.825 0193 9.825 0545	352	9.953 5482 9.953 6117	635	0.046 4518	9.871 4712	284	14				
17	9.825 0545	351	9.953 6117	635	0.046 3883	9.871 4428	284	13				
18	9.825 0896	351	9.953 6752	635	0.040 3248	9.871 4144	284	12				
19	9.825 1247	352	9.953 7387	636	0.046 2613	9.871 3860	284	11	١.	_ 0 .		^
50	9.825 1599	351	9.953 8023	635	0.046 1977	9.871 3576	284	10	-	282	28	
51	9.825 1950	351	9.953 8658	635	0.046 1342	9.871 3292	284	9	1	28.2	28	
52	9.825 2301	351	9.953 9293	635	0.046 0707	9.871 3008	284	8	2	56.4		6 56
53	9.825 2652 9.825 3003	351	9.953 9928	635	0.046 0072	9.871 2724	284	7	3	84.6		- 1
54	9.825 3354	351	9.954 0563 9.954 1199	636	0.045 9437	9.871 2440	284	6	4	112.8		-
56	9.825 3705	351	9.954 1199	635	0.045 8166	0.871 1872	284	5	5	169.5		
57	9.825 4056	351	9.954 2469	635	0.045 7531		284	4	7	197.4		
8	9.825 4407	351	9.954 3104	635	0.045 6896	9.871 1303	285	3 2	8	225.6		
59	9.825 4758	351	9.954 3739	635	0.045 6261	9.871 1019	284	1	9		254	
	9.825 5109	351	9.954 4374	635		9.871 0735	284	0			. 51	. ,,
-	Cos.	d.	Cotang.	d. c.	Tang.	Sin.	d.	s .				

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			2	48	111			777	1				
S.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.	T					
0	9.825 5109	351	9.954 4374	636	0.045 5626	9.871 073	285	60			63	5	634
1	9.825 5460	350	9.954 5010	635	0.045 4990		284	59		1	63	-	63'4
2	9.825 5810	351	9.954 5645	635	0.045 4355		285	58		2	127	- 1	126.8
3	9.825 6161	351	9.954 6280	635	0.045 3720 0.045 3085		284	101	ı	3	254	-	190.5
5	9.825 6862	350	9.954 7550	635	0.045 2450		2 205	25		5	317		317'0
6	9.825 7213	351	9.954 8185	635	0.045 1815					6	381		380'4
7	9.825 7563	350	9.954 8820	635	0.045 1180		3 285	53		7	444		443'8
8	9.825 7913	351	9.954 9455	635	0.045 0545		284	52		8	508		507'2
9	9.825 8264	350	9.955 0090	635	0.044 9910		- 205	51		9	571	5 1	570.6
II	9.825 8614	350	9.955 0725	635	0.044 9275	9.870 788	- 285	50					
12	9.825 8964	350	9.955 1360	635	0.044 8640		205	49 48	ı				
	9.825 9665	351	9.955 2630	635	0.044 7370		205	1					
14	9.826 0015	350	9.955 3265	635	0.044 6735			16					
15	9.826 0365	350	9.955 3900	635	0.044 6100		4 285						
16	9.826 0715	350	9.955 4535	635	0.044 5465		9 285	44					
17	9.826 1065	349	9.955 5170	635	0.044 4830		285	45		- 1	251	. 1	250
19	9.826 1764	350	9.955 5805 9.955 6440	635	0.044 4195		1 205		-	-	35	_	350
20	9.826 2114	350	9.955 7075	635	0.044 2925	9.870 50	285	-		2	35		35.0
21	9.826 2464	350	9.955 7710	635	0.044 2290		205	20		3	105		105.0
22	9.826 2813	349	9.955 8345	635	0.044 1655		0 200	- 0	ı	4	140		140'0
23	9.826 3163	350	9.955 8980	635	0.044 1020			-		5	175		175.0
24	9.826 3512	349 350	9.955 9615	635	0.044 0385		286	26		6	210		210'0
25	9.826 3862	349	9.956 0250	635	0.043 9750		2 20-	35		7 8	245		280.0
26 27	9.826 4211	350	9.956 0885	635	0.043 9115		200			9	315		315.0
	9.826 4910	349	9.956 2154	634	0.043 7846		6 205				5 5		
29	9.826 5260	350	9.956 2789	635	0.043 7211		0 200	2 1					
30	9.826 5609	349	9.956 3424	635	0.043 6576	9.870 218	285	20					
31	9.826 5958	349	9.956 4059	635	0.043 5941		280	20					
	9.826 6307	349	9.956 4694	635	0.043 5306			· n		- 1	349	9	348
	9.826 6656	349 349	9.956 5329	634	0.043 4671	44	286		1	1	34	.9	34.8
	9.826 7005	349	9.956 5963	635	0.043 4037		286	26		2	69	.8	69.6
35 36	9.826 7354 9.826 7703	349	9.956 6598	635	0.043 3402 0.043 2767		200	25		3	104		104'4
37	9.826 8052	349	9.956 7868	635	0.043 2132		200	2.3		4	139		139'2
	9.826 8401	349	9.956 8503	635	0.043 1497		- 200	22		5	209	_	208.8
39	9.826 8750	349	9.956 9137	634	0.043 0863	9.869 961	286	2.1		7	244		243'6
40	9.826 9098	348	9.956 9772	635	0.043 0228	9.869 932	286	20		8	279		2784
41	9.826 9447	349	9.957 0407	635	0.042 9593	9.869 904	286	TO		9	314	.1	313'2
42	9.826 9796	349 348	9.957 1042	634	0.042 8958		4 286	TX					
43	9.827 0144	349	9.957 1676	635	0.042 8324		286	17					
44	9.827 0493	348	9.957 2311	635	0.042 7689		6 200	16					
46	9.827 1190	349	9.957 3581	635	0.042 7034	9.869 760	00 207	15					4
47	9.827 1538	348	9.957 4215	634	0.042 5785	9.869 732	286	1					
48	9.827 1887	349 348	9.957 4850	635	0.042 5150	9.869 703	7 20	12					9
	9.827 2235	348	9.957 5485	634	0.042 4515		286						1 1
50	9.827 2583	348	9.957 6119	635	0.042 3881		287	10		28		286	
51	9.827 2931	348	9.957 6754	635	0.042 3246		7 286	9	1		3.2	28	
2	9.827 3279	349	9.957 7389	634	0.042 2611		287	8	2		0.	57	
53	9.827 3628 9.827 3976	348	9.957 8023 9.957 8658	635	0.042 1977 0.042 1342		8 286	7 6	3	114	5.5	114	0
55	9.827 4324	348	9.957 9292	634	0.042 0708		1 207	5	4 5	142		143	
56	9.827 4671	347	9.957 9927	635	0.042 0073	9.869 474	4 286	4	5	171		171	
57	9.827 5019	348 348	9.958 0562	635 634	0.041 9438	9.869 445	8 200	3	7	199	5	200	2 200'9
58	9.827 5367	348	9.958 1196	635	0.041 8804		1 287	2	8	228		228	8 229.6
59	9.827 5715	248	9.958 1831	634	0.041 8169	The second second	287	-	9	256	51	257	4 258.3
00	9.827 6063		9.958 2465	-	0.041 7535		171	0					
	Cos.	d.		d. c.	Tang.	Sin.	d.	S.					
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			2	49	m										
s.	Sin.	d.	Tang.	d. c.	Cote	ing.	Co	s.	d.						
0	9.827 6063	347	9.958 2465	635	0.041	7535	9.869	3597	287	60			63	-	634
I	9.827 6410	348	9.958 3100	635	0.041	1			287	59		1		3.2	63'4
2	9.827 6758	348	9.958 3735	634			9.869		287	58		2	127		126.8
_	9.827 7106	347	9.958 4369	635			9.869 9.869		287	57 56	ME	3	190	-	190'2
4	9.827 7453 9.827 7801	348	9.958 5004 9.958 5638	634			9.869		287	55	Ш	5	317		317.0
5	9.827 8148	347	9.958 6273	635			9.869		287	54	н	6	381		380.4
7	9.827 8495	347	9.958 6907	634			9.869		287	53	1	7	444	100	443.8
8	9.827 8843	348	9.958 7542	635	0.041	2458	9.869	1301	287	52	11	8	508		507'2
9	9.827 9190	347	9.958 8176	634	0.041	1824	9.869	1014	288	51	١.	9	57	1.2	570.6
10	9.827 9537	347	9.958 8811	635	0.041	1189	9.869	0726	1000	50					
11	9.827 9884	347	9.958 9445	634	0.041	0555	9.869	0439	287	49					
12	9.828 0231	347	9.959 0080	635			9.869	0152	287	48					
13	9.828 0578	347	9.959 0714	634			9.868		287	47					
4	9.828 0925	347	9.959 1349	635 634			9.868		288	46					
15	9.828 1272	347 347	9.959 1983	635			9.868		287	45					
16	9.828 1619	347	9.959 2618	634	0,040				288	44					
7	9.828 1966	347	9.959 3252	634	0.040				287	43		1		0 1	
8	9.828 2313	347	9.959 3886	635	0.040				288	42	-	-	34		347
9	9.828 2660	346	9.959 4521	634	0.040		9.868		288	41		1		4.8	34 7
20	9.828 3006	347	9.959 5155	635	0.040	4845	9.868	7851	288	40		2		9.6	69'4
1	9.828 3353	347	9.959 5790	634	0.040	4210	9.868	7563	287	39		3		4.4	1041
22	9.828 3700	346	9.959 6424	634	0.040	3576	9.868	7276	288	38		4		9.2	138.8
23	9.828 4046	347	9.959 7058	635			9.868		288	37		5		8.8	208.3
24	9.828 4393	346	9.959 7693	634			9.868		288	30	h	7		3.6	242'9
25	9.828 4739	347	9.959 8327	635			9.868 9.868		288	35		8	27		2776
26	9.828 5086	346	9.959 8962	634	0.040				288	34	М	9		3.5	312.3
27 28	9.828 5432 9.828 5778	346	9.959 9596 9.960 0230	634			9.868		288	33 32					
29	9.828 6125	347	9.960 0865	635	0.039		9.868		288	31	н				
<u> </u>		346		634	0.039		9.868		288	-					
30	9.828 6471	346	9.960 1499	634					288	30					
31	9.828 6817	346	9.960 2133	634	0.039				288	29 28			34	6 1	245
32	9.828 7163 9.828 7509	346	9.960 2767 9.960 3402	635	0.039	6508	9.868		289	27		-			345
33	9.828 7855	346	9.960 4036	634			9.868		288	26		1		4.6	34°5
34 35	9.828 8201	346	9.960 4670	634	0.039			3531	288	25		2		3.8	103.2
36	9.828 8547	346	9.960 5305	635			1 0	3242	289 288	24	H.	3 4		8.4	138.0
37	9.828 8893	346	9.960 5939	634	0.039				289	23		5	-	3.0	172.2
8	9.828 9239	346	9.960 6573	634	0.039			2665	288	22		6	20		207'0
39	9.828 9584	345	9.960 7207	634	0.039	2793	9.868	2377	289	21		7	24	2'2	241'5
ю	9.828 9930	346	9.960 7842	635	0.039	2158	9.868	2088		20		8	27	6.8	276.0
ıı	9.829 0276	346	9.960 8476	634	0.039			1800	288	19	1	9		1'4	310.2
2	9.829 0621	345	9.960 9110	634	0.039				289	18		2.0			
3	9.829 0967	346	9.960 9744	634	0.039				288	17					
4	9.829 1312	345	9.961 0378	634	0.038	9622	9.868	0934	289 289	16					
.5	9.829 1658	346 345	9.961 1013	635 634	0.038	8987	9.868	0645	289	15					
6	9.829 2003	346	9.961 1647	634	0.038	8353	9.868	0356	288	14					
7	9.829 2349	345	9.961 2281	634	10.030	7719	9.868	0068	289	13					
	9.829 2694	345	9.961 2915	634	0.030		9.867		289	12					
19	9.829 3039	345	9.961 3549	635			9.867		289	11	٠,			. 0.	
	9.829 3384	345	9.961 4184	634			9.867		289	10	_	28		288	_
	9.829 3729	346	9.961 4818	634	0.038	5182	9.867	8912	289	8	1		3.2	28	
2	9.829 4075	345	9.961 5452	634	0.038	4548	9.867	8623	289		2		4	57	6 57
	9.829 4420	345	9.961 6086	634	0.038	3914	9.867	8334	289	7	3		1,0	86	
4	9.829 4765	345	9.961 6720	634	0.038	3280	9.867	8045	290	6	4	114		115	
5	9.829 5110	344	9.961 7354	634			9.867		289	5	5	143		144	
9	9.829 5454	345	9.961 7988	634	0.038	2012	9.867	7400	289	4		172		172	
7	9.829 5799	345	9.961 8622	634	0.038	1378	9.867	7177	289	3	8	200		201	
	9.829 6144	345	9.961 9256	635			9.867		290	2	9	229		230	
	9.829 6489	344	9.961 9891	634			9.867		289	-	91	258	31	259	21 200
ю	9.829 6833	d.	9.962 0525		0.037 Tar		9.867			0	10				
_	Cos.		Cotang.	d. c.			Si		d.	5,					

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s.	Sin.	d,	Tang.	d. c.	Cotang.	Co	s.	d.						
0	9.829 6833	245	9.962 0525	634	0.037 9475	9.867	6309	200	60	١,	1	63	4	633
1	9.829 7178	345 345	9.962 1159	634	0.037 8841			289	59	1	1		3'4	63'3
2	9.829 7523	344	9.962 1793	634	0.037 8207			290	58	м	2		6.8	126.6
3	9.829 7867 9.829 8212	345	9.962 2427	634	0.037 7573 0.037 6939	9.867		289	57 56		3 4		3.6	189'9
4 5	9.829 8556	344	9.962 3695	634	0.037 6305			290	55		5		7.0	316.2
6	9.829 8901	345	9.962 4329	634 634	0.037 5671			289	54		6	38	0.4	379.8
7	9.829 9245	344 344	9.962 4963	634	0.037 5037			290	53		8		3.8	443.1
8	9.829 9589	344	9.962 5597 9.962 6231	634	0.037 4403			289	52				0.6	566'4
9	9.829 9933	345	9.962 6865	634	0.037 3769	9.867		290	50		9	51	0.0.1	309 /
10	9.830 0278	344	9.962 7499	634	0.037 3135	-	3413	290	-					
I I I 2	9.830 0622 9.830 0966	344	9.902 7499	634	0.037 2501			290	49 48					
13	9.830 1310	344	9.962 8767	634	0.037 1233			290	47					
14	9.830 1654	344 344	9.962 9401	634 634	0.037 0599			290	46					
15	9.830 1998	344	9.963 0035	634	0.036 9965			290	45					
16	9.830 2342	344	9.963 0669	634	0.036 9331	9.867	-	290	44					
17 18	9.830 2686 9.830 3029	343	9.963 1303	634	0.036 8063			290	43		1	34	4	343
19	9.830 3373	344	9.963 2570	633	0.036 7430			290	41		1		4'4	34'3
20	9.830 3717	344	9.963 3204	634	0.036 6796	9.867	0512	291	40		2		8.8	68.6
21	9.830 4060	343	9.963 3838	634	0.036 6162	9.867	0222	290	39		3		3.5	102'9
22	9.830 4404	344 343	9.963 4472	634 634	0.036 5528	9.866	9932	290	38	H.	4		7.6	137.2
23	9.830 4747	344	9.963 5106	634	0.036 4894			290	37		5	11 2 5	6.4	205.8
24	9.830 5091	343	9.963 5740 9.963 6374	634	0.036 4260		9351	290	36		7		0.8	240'1
25 26	9.830 5434 9.830 5778	344	9.963 7008	634	0.036 2992			291	35		8		5.2	274'4
27	9.830 6121	343	9.963 7642	634	0.036 2358	9.866	8480	290	33		9	30	9.6	308.7
28	9.830 6464	343	9.963 8275	633 634	0.036 1725	9.866		291	32					
29	9.830 6808	344 343	9.963 8909	634	0.036 1091	9.866	7898	290	31					
30	9.830 7151	343	9.963 9543	634	0.036 0457	~	7608	291	30					
31	9.830 7494	343	9.964 0177	634	0.035 9823	9.866	7317	291	29				. 1	.02
32	9.830 7837	343	9.964 0811	634	0.035 9189	9.866	7026	290	28		_	_ 34		341
33 34	9.830 8180 9.830 8523	343	9.964 1445 9.964 2078	633	0.035 8555	0.866	6445	291	27		1		8.4	34'1 68'2
35	9.830 8866	343	9.964 2712	634		9.866		291	25		3		2.6	102'3
36	9.830 9209	343 343	9.964 3346	634 634	0.035 6654		5863	291	24		4	1.60	6.8	136.4
37	9.830 9552	342	9.964 3980	634	0.035 6020		5572	291	23		5		1.0	170.2
38	9.830 9894	343	9.964 4614 9.964 5247	633	0.035 5386		5281 4990	291	21			70.00	5.2	204.6
<u>39</u> 40	9.831 0237	343	9.964 5881	634	0.035 4753	9.866		291	20		78	-	9°4 3°6	238.7
-	9.831 0580	343	9.964 6515	634	0.035 4119	-		291	-	и	9		7.8	306.9
41 42	9.831 0923 9.831 1265	342	9.964 7149	634	0.035 2851		4117	291	18					
43	9.831 1608	343	9.964 7782	633	0.035 2218			292	17					
44	9.831 1950	342 343	9.964 8416	634 634	0.035 1584	9.866	3534	291	16					
	9.831 2293	342	9.964 9050	633	0.035 0950			291	15					
	9.831 2635 9.831 2977	342	9.964 9683 9.965 0317	634	0.035 0317			292	13					
	9.831 3320	343	9.965 0951	634	0.034 9049	9.866	2360	291	12					
49	9.831 3662	342	9.965 1585	634	0.034 8415	9.866		292	11					
50	9.831 4004	342	9.965 2218	633	0.034 7782	9.866	1786	291	10	-1	20	90	29	1 292
51	9.831 4346	342	9.965 2852	634 634	0.034 7148	9.866		292 291	9	1	2	.o	29	
52	9.831 4688	342 342	9.965 3486	633	0.034 6514	9.866	1203	291	8	2		8.0	58	
	9.831 5030	342	9.965 4119	634	0.034 5881	9.866	0911	292	7 6	3		7.0 6.0	87 116	
	9.831 5372 9.831 5714	342	9.965 4753 9.965 5387	634	0.034 5247	0.866	0328	291	5	4 5		5.0	145	· 1 .
56	9.831 6056	342	9.965 6020	633	0.034 3980	9.866	0036	292	4	5 6		4.0	174	6 175.2
57	9.831 6398	342	9.965 6654	634 633	0.034 3346	9.865	9744	292	3	7	20	3.0	203	
	9.831 6740	342 341	9.965 7287	634	0.034 2713	9.865	9452	292	2	8		2.0	232	
	9.831 7081	342	9.965 7921	634	0.034 2079			292	1	91	20	1.0	261	91 202 8
50	9.831 7423		9.965 8555		0.034 1445			1	0					
	Cos.	d.	Cotang.	d. c.	Tang.	Sir	1.	d,	S.					
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s.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.831 7423	242	9.965 8555	633	0.034 1445	9.865 8868	292	60	_	6	34	633
1	9.831 7765	342 341	9.965 9188	634	0.034 0812	9.865 8576	292	59			3.4	63.3
2	9.831 8106	342	9.965 9822	633	0.034 0178	9.865 8284	292	58		1	6.8	126.6
3	9.831 8448 9.831 8789	341	9.966 0455 9.966 1089	634	0.033 9545	9.865 7992 9.865 7700	292	57 56		- 1 -	3.6	189.9 253.2
4 5	9.831 9131	342	9.966 1723	634	0.033 8277	9.865 7408	292	55		-	7.0	316.2
6	9.831 9472	341 342	9.966 2356	633 634	0.033 7644	9.865 7116	292 292	54		5 38	0.4	379.8
7	9.831 9814	341	9.966 2990	633	0.033 7010		293	53			3.8	443'I
8	9.832 0155	341	9.966 3623	634	0.033 6377	9.865 6531 9.865 6239	292	52			0.6	506 [.] 4 569 [.] 7
9	9.832 0496	341	9.966 4257 9.966 4890	633	0.033 5743	9.865 5947	292	51	1	9 3/	001	309 /
10	9.832 0837	341	9.966 5524	634	0.033 4476		293	50				
1 I I 2	9.832 1178 9.832 1519	341	9.966 6157	633	0.033 3843	9.865 5362	292	49 48				
13	9.832 1860	341	9.966 6791	634	0.033 3209		293	47				
14	9.832 2201	34 I 34 I	9.966 7425	634	0.033 2575		292 293	46				
15	9.832 2542	341	9.966 8058	634	0.033 1942		292	45	l			
16 17	9.832 2883 9.832 3224	34 I	9.966 8692 9.966 9325	633	0.033 1308	9.865 4192 9.865 3899	293	44	l			
18	9.832 3565	341	9.966 9958	633	0.033 0042		293	42		3	4 2	34 I
19	9.832 3906	341	9.967 0592	634	0.032 9408	9.865 3314	292	41	-		4.5	34.1
20	9.832 4246	340	9.967 1225	633	0.032 8775	9.865 3021	293	40	:	2 6	8.4	68.2
21	9.832 4587	34 I 34 I	9.967 1859	634 633	0.032 8141	9.865 2728	293 293	39		٠,	2.6	102.3
22	9.832 4928	340	9.967 2492	634		9.865 2435	293	38			1.0 9.8	136 [.] 4
23	9.832 5268	341	9.967 3126	633	0.032 6874	9.865 2142 9.865 1849	293	37			5.5	204.6
24 25	9.832 5609 9.832 5949	340	9.967 3759 9.967 4393	634		9.865 1556	293	36 35			9.4	238.7
26	9.832 6289	340	9.967 5026	633	0.032 4974		293	34			3.6	272.8
27	9.832 6630	341 340	9.967 5660	634 633	0.032 4340	9.865 0970	293 293	33	9	9 30	7.8	306.9
28	9.832 6970	340	9.967 6293	633	0.032 3707	9.865 0677	293	32				
29	9.832 7310	341	9.967 6926	634	0.032 3074	9.865 0384	293	31				
30	9.832 7651	340	9.967 7560	633	0.032 2440	9.865 0091	293	30				
31 32	9.832 7991 9.832 8331	340	9.967 8193 9.967 8827	634	0.032 1807	1 ~ ~ ` ~ ` . ` . ` . ` . ` . ` . ` . ` .	294	29 28		1 3	10	339
33	9.832 8671	340	9.967 9460	633	0.032 0540	9.864 9211	293	27	-		4.0	33.9
34	9.832 9011	340 340	9.968 0093	633 634		9.864 8918	293 294	26			8.0	67·8
35	9.832 9351	340	9.968 0727	633		9.864 8624	293	25	,	· .	2.0	101'7
	9.832 9691 9.833 00 30	339	9.968 1360 9.968 1993	633		9.864 8331 9.864 8037	294	24 23			0.0	135.6
37 38	9.833 0370	340	9.968 2627	634	0.031 7373		293	22			4.0	203'4
39	9.833 0710	340	9.968 3260	633	0.031 6740	9.864 7450	294	2 I			8·0	237'3
40	9.833 1050	340	9.968 3893	633	0.031 6107	9.864 7156	294	20		3 27	2.0	271'2
41	9.833 1389	339 340	9.968 4527	633	0.031 5473	9.864 6863	293 294	19	9	9 30	6.0	305.1
42	9.833 1729	340	9.968 5160	633	0.031 4840		294	18	l			
43	9.833 20 69 9.8 33 240 8	339	9.968 5793 9.968 6427	634		9.864 6275 9.864 5981	294	17 16	l			
44 45	9.833 2747	339	9.968 7060	633	0.031 3573	9.864 5688	293	15	l			
46	9.833 3087	340	9.968 7693	633 634	0.031 2307	9.864 5394	294 294	14	Ī			
47	9.833 3426	339 340	9.968 8327	633	0.031 1673	9.864 5100	294	13	l			
	9.833 3766	339	9.968 8960	633	0.031 1040	9.864 4806	294	12				
49	9.833 4105	339	9.968 9593	633	0.031 0407	9.864 4512 9.864 4218	294	11	1.	292	29	3 294
50	9.833 4444	339	9.969 0226	634	0.030 9774		294	-	- -	29.2		3 29.4
51 52	9.833 4783 9.833 5122	339	9.969 0860 9.969 1493	633	0.030 9140	9.864 3924 9.864 3629	295	9 8	2	58.4		3.6 58
53	9.833 5461	339	9.969 2126	633		9.864 3335	294	7	3	87.6	87	7.9 88
54	9.833_5800	339 339	9.969 2759	633 634	0.030 7241	9.864 3041	294 294	6	4	116.8	117	
55	9.833 6139	339	9.969 3393	633	0.030 0007	9.864 2747	295	5	5	146.0 175.2	146	
56	9.833 6478	339	9.969 4026	633	0.030 59/4	9.864 2452 9.864 215 8	294	4		204.4	205	
57 58	9.833 6817 9.833 7156	339	9.969 4659 9.969 5292	633	0.030 5341	9.864 1864	294	3	7 8	233.6		
59	9.833 7495	339	9.969 5925	633	0.020 4075	9.864 1569	295	1	9	262.8	26	
60	9.833 7833	338	9.969 6559	634	0.030 3441		294	0				
-	Cos.	d.	Cotang.	d.c.		Sin.	d.	S.				
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			2	h 52	m				1					
s,	Sin.	d.	Tang.	d. c.	Cotang.	Co	S.	d.						
0	9.833 7833	220	9.969 6559	622	0.030 3441	9.864	1275		60		1	633	1 6	32
1	9.833 8172	339 339	9.969 7192	633 633	0.030 2808	9.864	0980	295	59	1	1	63'3	(3.5
2	9.833 8511	338	9.969 7825	633	0.030 2175			294	58	1	2	126.6	12	6.4
3	9.833 8849	339	9.969 8458	633	0.030 1542		-	295	57		3	189,9	4	9.6
4	9.833 9188 9.833 9526	338	9.969 9091 9.969 9725	634	0.030 0909			294	56			253'2		2.8
5	9.833 9865	339	9.909 9723	633	0.030 0275			295	55		-	316.5		6.0
7	9.834 0203	338	9.970 0991	633	0.029 9009			295	54 53			443.1		9'2
8	9.834 0541	338 338	9.970 1624	633	0.029 8376		-	295	52			506.4		5.6
9	9.834 0879		9.970 2257	633	0.029 7743	9.863	0.0	295	51			569'7		8.8
10	9.834 1218	339	9.970 2890	633	0.029 7110	9.863	8327	295	50					
11	9.834 1556	338 338	9.970 3523	633	0.029 6477	9.863	8032	295	49					
12	9.834 1894	338	9.970 4157	634 633	0.029 5843	9.863	7737	295	48					
13	9.834 2232	338	9.970 4790	633	0.029 5210			295	47					
14	9.834 2570 9.834 2908	338	9.970 5423	633	0.029 4577			295	46					
15	9.834 3246	338	9.970 6056 9.970 6689	633	0.029 3944			295	45					
17	9.834 3584	338	9.970 7322	633	0.029 3311	9.863		295	44					
18	9.834 3922	338	9.970 7955	633	0.029 2045	-		296	43		1	339	1 3	38
19	9.834 4259	337	9.970 8588	633	0.029 1412	9.863		295	41	-	I	33'9		33.8
20	9.834 4597	338	9.970 9221	633	0.029 0779	9.863		295	40		2	67.8		7.6
2 I	9.834 4935	338	9.970 9854	633	0.029 0146			296	39		3	101.4		1'4
22	9.834 5272	337 338	9.971 0487	633	0.028 9513	9.863	4785	295	38		4	135.6	I	35'2
23	9.834 5610	338	9.971 1121	634 633	0.028 8879	9.863	4489	296	37		5	169.2	A	99'0
24	9.834 5948	337	9.971 1754	633	0.028 8246			295 296	36		6	203'4		2.8
25	9.834 6285 9.834 6622	337	9.971 2387	633	0.028 7613		3898	295	35		7 8	237'3		36.6
26 27	9.834 6960	338	9.971 3020 9.971 3653	633	0.028 6980			296	34		9	305.1		04'2
28	9.834 7297	337	9.971 4286	633	0.028 6347			296	33		9 1	3-3 -	1 3.	-
29	9.834 7634	337	9.971 4919	633	0.028 5081	9.863		295	32 31					
30	9.834 7972	338	9.971 5552	633	0.028 4448	-		296	30					
31	9.834 8309	337	9.971 6185	633		9.863		296	-					
32	9.834 8646	337	9.971 6818	633	0.028 3182	0.863	1828	296	29		1	337	1 3	36
33	9.834 8983	337	9.971 7451	633	0.028 2549	9.863	1532	296	27	-	I	33'7	_	33.6
34	9.834 9320	337 337	9.971 8084	633	0.028 1916	9.863	1236	290	26		2	67.4		57.2
35	9.834 9657	337	9.971 8717	633	0.028 1283	9.863	0940	1206	25		3	101.1		8.00
36 37	9.834 9994 9.835 0331	337	9.971 9350	633	0.028 0650			206	24		4	134'8		34'4
38	9.835 0668	337	9.971 9983 9.9 72 0616	633	0.028 0017			206	23		5	168.5		68.0
39	9.835 1004	336	9.972 1249	633	0.027 8751			296	21			202'2		01.6
40	9.835 1341	337	9.972 1882	633	0.027 8118	_	_	296	20		8	235'9		35°2 58·8
41	9.835 1678	337	9.972 2515	633	0.027 7485	/		297	-		9	303.3		2.4
42	9.835 2015	337	9.972 3147	632	0.027 7465			296	18		, ,	5 5 5	1 5	
43	9.835 2351	336	9.972 3780	633	0.027 6220			296	17					
44	9.835 2688	337 336	9.972 4413	633	0.027 5587			297	16					
45	9.835 3024	337	9.972 5046	633	0.027 4954	9.862	7978	296	15					
46	9.835 3361	336	9.972 5679	633	0.027 4321	9.862	7681	296	14					
47 48	9.835 3697 9.835 4033	336	9.972 6312 9.972 6945	633	0.027 3688			207	13					
49	9.835 4370	337	9.972 7578	633	0.027 3055			206	11					
50	9.835 4706	336	9.972 8211	633	0.027 2422	_		297	-	i	200		06 1	207
51	9.835 5042	336		633		_		297	10	-	29		96	297
52	9.835 5378	336	9.972 8844 9.972 9477	633	0.027 1156			206	8	1	29	-	29'6	29'7
53	9.835 5714	336	9.972 9477	632	0.027 0523	0.862	5605	297	7	3	59 88		59°2 88°8	59'4 89'1
54	9.835 6050	336	9.973 0742	633	0 006 00-0	9.862	5308	297	6	4	118		18.4	118.8
55	9.835 6386	336 336	9.973 1375	633	0.026 8625	9.862	5011	297	5		147		18.0	148.5
56	9.835 6722	336	9.973 2008	633 633	0.026 7992	9.862	4714	297	4	5	177	.o I	77.6	178.2
57	9.835 7058	336	9.973 2641	633	0.026 7359	9.862	4417	297	3	7	206		07.2	207'9
58	9.835 7394	336	9.973 3274	633	0.020 0/20	9.862	4120	297	2	8	236		36.8	237'6
<u>59</u>	9.835 7730 9.835 8066	336	9.973 3907	632	0.043			297	1	9	265	5 20	66.4	267'3
			9.973 4539			9.862			0					
 _	Cos.	d.	Cotang.	d . c.	Tang.	Si	n.	l d.	5.					
			3	h 7	m									
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			2	53	m							3.3			
s.	Sin.	d.	Tang.	d. c.	Cota	ng.	Co	08,	d.						
0	9.835 8066	225	9.973 4539	622	0.026	5461	9.862	3526	207	60		I	633	6	32
1	9.835 8401	335	9.973 5172	633			9.862		297 297	59		1	63.3		3'2
2	9.835 8737	336	9.973 5805	633			9.862		297	58		2	126.6		26'4 20'6
3	9.835 9073 9.835 9408	335	9.973 6438	633			9.862 9.862		297	57 56		3	189.9		39.6 32.8
5	9.835 9744	336	9.973 7704	633			9.862		298	55		5	316.2		6.0
6	9.836 0079	335 336	9.973 8336	632 633	0.026	1664	9.862	1743	297 297	54		6	379.8		9.2
7	9.836 0415	335	9.973 8969	633	0.026		9.862 9.862		298	53		7 8	443'1		2.4
8	9.836 0750	335	9.973 9602 9.974 0235	633	0.025				297	52 51		9	569.4		5.6 8.8
0	9.836 1421	336	9.974 0868	633	0.025		9.862		298	50	İ	•	<i>,</i>		
11	9.836 1756	335	9.974 1500	632			9.862		297 298	49					
2	9.836 2091	335 335	9.974 2133	633 633			9.861		298	4 8	ŀ				
3	9.836 2426	335	9.974 2766	633			9.861		297	47	ŀ				
4	9.836 2761	335	9.974 3399	632			9.861 9.861		298	46 45	ĺ				
6	9.836 3431	335	9.974 4664	633	0.025	5336	9.861	8767	298	44	l				
7	9.836 3766	335	9.974 5297	633	0.025	4703	9.861	8469	298 298	43			_		
8	9.836 4101	335	9.974 5930	632			9.861		297	42	١.	-	336	- 1	35_
9	9.836 4436	335	9.974 6562	633	0.025		9.861 9.861		298	41		1	33.6		3.2
20	9.836 4771	334	9.974 7195 9.974 7828	633	0.025		9.861	7576	298	40		3	67.2		7'0 0'5
22	9.836 5105 9.836 5440	335	9.974 7628	633			9.861		298	39 38		4	134'4		34.0
23	9.836 5775	335	9.974 9093	632	0.025	0907	9.861	6681	299 298	37	İ	5	168.0		7.2
24	9.836 6109	334	9.974 9726	633 633	0.025	0274	9.861	6383	298	36		6	201.6)1'0 34'5
5	9.836 6444	334	9.975 0359	632	0.024	9041	9.861 9.861	5085	298	35		8	268.8		8.0
26	9.836 6778	335	9.975 1624	633	0.024	8376	9.861	5489	298	34 33		9	302'4	30	1.2
8	9.836 7447	334	9.975 2257	633 632	0.024	7743	9.861	5190	299 298	32					
29.	9.836 7782	335	9.975 2889	633	0.024		9.861		298	31					
30	9.836 8116	334	9.975 3522	633	0.024		9.861		299	30					
31	9.836 8450	334	9.975 4155	632			9.861		298	29 28		ı	224	l 2	22
32	9.836 8784	334	9.975 4787	633	0.024	4580	9.861 9.861	3698	299	27	-	-	334 33'4	_	33 33
33	9.836 9452	334	9.975 6053	633	0.024	3947	9.861	3400	298 299	26		2	66.8		6.6
35	9.836 9787	335 334	9.975 6685	632			9.861		298	25		3	100'2	9	9 .9
36	9.837 0121	333	9.975 7318	633			9.861 9.861		299	24		4	133.6		3.5
8	9.837 0454 9.837 0788	334	9.975 7951	632	0.024		9.861		299	23		5	167°0 200'4		9.8 9.8
9	9.837 1122	334	9.975 9216	633	0.024			1906	299	2 I		7	233.8		3.1
0	9.837 1456	334	9.975 9849	633	0.024	0151	9.861	1608	298	20		8	267.2		6.4
1	9.837 1790	334	9.976 0481	632	0.023	9519	9.861	1309	299 299	19	l	9	300.6	29	9.7
12	9.837 2124	334	9.976 1114	632			9.861		299	18	1				
3	9.837 2457 9.837 2791	334	9.976 1746	633			9.861 9.861		299	17	1				
5	9.837 3124	333	9.976 3012	633	0.023	6988	9.861	0113	299		l		•		
6	9.837 3458	334 333	9.976 3644	632 633	0.023	6356	9.860	9814	299 299	14					
7	9.837 3791	334	9.976 4277	632	0.023	5723	9.860	9515	300	I 3 I 2					
8	9.837 4125 9.837 4458	333	9.976 4909 9.976 5542	633	0.023	4458	9.860	8916	299	11					
9	9.837 4791	333	9.976 6174	632			9.860		299	10		29	7 2	98	299
1	9.837 5125	334	9.976 6807	633			9.860		299	-	1	29		9.8	29'6
2	9.837 5458	333	9.976 7440	633 632	0.023	2560	9.860	8018	300 299	8	2	59	74 5	9.6	59.8
3	9.837 5791	333 333	9.976 8072	633			9.860		299	7	3	118	-1	9.4	89.7
4	9.837 6124	333	9.976 8705	632	0.023		9,860 0.860		300	6 5	4 5	148		9.0	149
56	9.837 6457 9.837 6790	333	9.976 9337 9.976 9970	633	0.023	0030	9.860	6821	299	4	5	178	3.2 17	8.8	179.4
7	9.837 7123	333	9.977 0602	632	0.022	9398	9.860	6521	300 300	3	7	207		8.6	209
8	9.837 7456	333 333	9.977 1235	632	0.022		9,860		299	2 1	8	237	·6 23	8.4	239
	9.837 7789	333	9.977 1867	633	0.022		9.860		300	-	الا	201	JI 20		
00	9.837 8122	d.	9.977 2500 Cotang	d. c.	Tat		9.860 Si		d.	s.					
_	Cos.	a,	Cotang.			6			, 4.	<u>"</u>					
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s. Sin. d. Tang. d. c. Cotang. Cos. d. 0 9.837 8122 333 9.977 2500 632 0.022 7500 9.860 5622 300 5 2 9.837 8455 333 9.977 3765 633 0.022 6868 9.860 5022 300 5 3 9.837 9453 332 9.977 5030 633 0.022 5602 9.860 4723 300 5 5 9.837 9785 333 9.977 5663 632 0.022 4970 9.860 4423 300 5 6 9.838 0118 333 9.977 6295 632 0.022 3705 9.860 3823 300 5 7 9.838 0451 332 9.977 7560 632 0.022 3705 9.860 3823 300 5 8 9.838	1 2 3 4 5 6 4 7 7	633 63°3 126°6 189°9 253°2 316°5	632 126'4 189'6
1 9.837 8455 333 9.977 3132 633 0.022 6868 9.860 5322 299 5 5 333 9.977 3765 633 0.022 6235 9.860 5023 300 5 5 9.837 9453 332 9.977 5030 633 0.022 4970 9.860 4423 300 5 9.838 0118 333 9.977 5663 632 0.022 4970 9.860 4423 300 5 9.838 018 333 9.977 6295 633 0.022 3705 9.860 3823 300 5 8 9.838 0783 332 9.977 6928 633 0.022 3705 9.860 3823 300 5 8 9.838 0783 332 9.977 6928 632 0.022 3072 9.860 3523 300 5 8 9.838 0783 332 9.977 6928 632 0.022 3072 9.860 3523 300 5 9.870 0.022 3072 9.860 3523 300 5 9.870 0.022 3072 9.860 3523 300 5 9.870 0.022 3072 9.860 3523 300 5 9.870 0.022 3072 9.860 3523 300 5 9.870 0.022 3072 9.860 3223 300 5 9.870 0.022 3072 9.860 300 5 9.870 0.022 3072 9.870 0.022 3072 9.860 300 5 9.870 0.022 3072 9.860 300 5 9.870 0.0	1 2 3 4 5 6 4 7 7	63.3 126.6 189.9 253.2	63.2 126.4 189.6
1 9.837 8788 333 9.977 3765 633 0.022 6868 9.860 5322 299 5 300 5 9.837 9720 333 9.977 5030 632 0.022 4970 9.860 4423 300 5 9.838 0118 333 9.977 5663 632 0.022 4970 9.860 4423 300 5 6 9.838 0118 333 9.977 6295 633 0.022 3705 9.860 3823 300 5 8 9.838 0451 332 9.977 6928 633 0.022 3705 9.860 3523 300 5 8 9.838 0783 332 9.977 6928 633 0.022 3705 9.860 3523 300 5 8 9.838 0783 332 9.977 7560	3 3 4 5 6 7	126.6 189.9 253.2	126'4 189'6
3 9.837 9120 332 9.977 4398 632 0.022 5602 9.860 4723 300 5 5 9.837 9120 333 9.977 5030 633 0.022 5602 9.860 4423 300 5 5 9.837 9785 333 9.977 5663 632 0.022 4970 9.860 4423 300 5 6 9.838 0118 333 9.977 6295 633 0.022 3705 9.860 3823 300 5 7 9.838 0451 332 9.977 6928 632 0.022 3705 9.860 3823 300 5 8 9.838 0451 332 9.977 6928 632 0.022 3705 9.860 3523 300 5 8 9.838 0783 332 9.977 6928 632 0.022 3705 9.860 3523 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3223 300 5 9.870 0.022 3705 9.860 3705 9.870 0.022 3705 9.860 3705 9.870 0.022 3705 9.860 3705 9.870 0.022 3705 9.860 3705 9.870 0.022 3705 9.860 3705 9.870 0.022 3705 9.860 3705 9.870 0.022 3	3 4 5 6 7	316.5 253.2 189.9	189.6
4 9.837 9453 333 9.977 5030 633 0.022 4970 9.860 4423 300 5 9.837 9785 333 9.977 5663 632 0.022 4337 9.860 4123 300 5 9.838 0.18 333 9.977 6295 633 0.022 3705 9.860 3823 300 5 9.838 0.451 333 9.977 6295 633 0.022 3705 9.860 3823 300 5 8 9.838 0.783 332 9.977 6286 632 0.022 3072 9.860 3523 300 5 8 9.838 0.783 332 9.977 7560 632 0.022 3072 9.860 3523 300 5	5 5 6 7	316.2 316.2	
5 9.837 9785 333 9.977 5663 632 0.022 4337 9.860 4123 300 5 6 9.838 0118 333 9.977 6295 633 0.022 3705 9.860 3823 300 5 7 9.838 0451 332 9.977 6928 632 0.022 3072 9.860 3523 300 5 8 9.838 0783 332 9.977 7560 632 0.022 3072 9.860 3523 300 5	5 6 7	316.2	252.8
7 9.838 0451 333 9.977 6295 633 0.022 3705 9.860 3823 300 5 8 9.838 0451 332 9.977 6928 632 0.022 3072 9.860 3523 300 5	7	0	316.0
8 0.838 0783 332 0.077 7560 032 0.022 2440 0.860 2223 300 5		379.8	379'2
		506.4	505.6
0 0 838 1115 332 0 077 8102 032 0 022 1808 0 860 2022 300 5		569.7	1 - 2 - 1
10 0.838 1448 333 0.077 8825 333 0.022 1175 0.860 2622 300 5	- 1	, , , ,	' '
11 9.838 1780 332 9.977 9457 633 0.022 0543 9.860 2323 301 4	-		į
12 9.838 2112 333 9.978 0090 633 0.021 9910 9.860 2022 300 4			Ì
13 9.838 2777 332 9.978 1772 633 0.021 9278 9.800 1722 300 4			
TELO 828 2100 332 0 078 1087 032 0 021 8013 0 860 1122 300 1			
16 9.838 3441 332 9.978 2620 633 0.021 7380 9.860 0821 301 4			
17 9.838 3773 322 9.978 3252 622 0.021 6748 9.860 0521 201 4	. 2		
10 0 828 4427 332 0 078 4517 632 0 0021 6115 0 800 0220 300 4		333	332
20 0.838 4760 332 0.078 5140 032 0.031 4851 0.850 0610 301	-	33.3	33'2
0828 5100 331 0 078 5782 033 0 005 4218 0 850 0210 300		99.9	99.6
301 0 828 5422 332 0 058 6444 032		133.5	132.8
23 9.838 5764 332 9.978 7047 633 0.021 2953 9.859 8717 301 3	7 5	166.2	166.0
24 9.838 6090 331 9.978 7079 633 0.021 2321 9.859 8416 300 3		199.8	199'2
26 0 828 6750 332 0 078 8044 632 0 021 1056 0 850 7815 301 3	X	233.1	265.6
27 9.838 7000 331 0.078 0576 32 0.021 0.424 0.850 7514 301 2	¹I ^	2997	1 5 6 1
28 9.838 7422 331 9.979 0209 633 0.020 9791 9.859 7213 301 3	_		
$\frac{29}{9.838} \frac{9.838}{7753} \frac{7753}{332} \frac{9.979}{9.979} \frac{0841}{0841} \frac{0.020}{633} \frac{9159}{9.859} \frac{9.859}{6912} \frac{6912}{301} \frac{3}{301}$	<u> </u>		
$\frac{30}{9.838} \frac{9.838}{8085} \frac{8085}{331} \frac{9.979}{9.979} \frac{1474}{1474} \frac{632}{632} \frac{0.020}{9.020} \frac{8526}{9.859} \frac{9.859}{6611} \frac{6611}{301} \frac{3}{301}$	2		
31 9.838 8416 221 9.979 2106 622 0.020 7894 9.859 6310 201 2			
23 0.838 9070 33 ² 0.070 2271 033 0.020 6620 0.850 5708 301 2	.	331	330
34 9.838 9410 331 9.979 4003 632 0.020 5997 9.859 5407 301 2		33.1	33.0
$\begin{bmatrix} 35 \\ 9.636 \end{bmatrix}$ 9741 $\begin{bmatrix} 331 \\ 9.979 \end{bmatrix}$ 4035 $\begin{bmatrix} 633 \\ 633 \end{bmatrix}$ 0.020 5305 $\begin{bmatrix} 9.859 \\ 5105 \\ 301 \end{bmatrix}$ 2		99.3	• 1
30 9.839 0072 331 9.979 5208 632 0.020 4732 9.859 4804 301 2	4	132'4	132.0
12810 820 0724 33 10 070 6522 33 10 020 2468 0 850 4000 33 10		165.2	
30 0.830 1065 33 0.070 7165 33 0.020 2835 0.850 2000 302 2	_	198.6	198.0
40 9.839 1396 331 9.979 7797 32 0.929 2293 9.859 2599 301 2		264.8	1 7 1
41 9.839 1727 331 9.979 8429 633 0.020 1571 9.859 3297 301 1	9	297.9	1 ' 1
42 9.839 2058 330 9.979 9062 633 0.020 0938 9.859 2996 301 I	•		
44 0 820 2710 331 9.979 9094 632 0.020 0300 9.859 2094 301 1	- 1		
45 9.839 3050 331 9.980 0959 633 0.019 9041 9.859 2091 302 1	•		
46 9.839 3380 33 9.980 1591 632 0.019 8409 9.859 1789 302 1			
47 9.839 37 11 320 9.980 2223 622 0.019 7777 9.859 1487 322 1	3		į
49 9.839 4372 331 9.980 2838 632 0.019 7144 9.859 1180 302 1			
50 0 830 4702 330 0 080 4130 032 0 010 5880 0 850 0583 302	- 1 .	200 2	01 302
51 0 820 5022 331 0 080 4752 033			30.1
52 9.839 5363 330 9.980 5385 632 0.019 4615 9.858 9978 302		- 1	60.7
53 9.839 5693 330 9.980 6017 632 0.019 3983 9.858 9676 302	3	00.0 d	90.9
34 9.039 0023 331 9.900 0030 632 0.019 3350 9.050 9374 302	4 I		20.4 120.8
55 9.839 0354 330 9.980 7282 632 0.019 2718 9.858 9072 302			30.2 121.0 30.6 181.5
57 9.839 7014 330 9.980 8546 632 0.019 1454 9.858 8468 302		L	10.7 211.4
[58 9.839 7344 330 9.980 9179 633 0.019 0821 9.858 8165 303	8 2	40'0 24	10.8 241.6
39 9.039 7074 320 9.980 9811 622 0.019 0189 9.858 7883 308	-	70.0 27	70'9 271'8
9.981 04431 10.018 9557 9.858 7561	2		
Cos. d. Cotang. d. c. Tang. Sin. d. s			
3 ^h 5 ^m	1		

			2'	55	m							
S.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.839 8004	330	9.981 0443	632	0.018 9557		303	60	_	6	33	632
1	9.839 8334	330	9.981 1075	633		9.858 7258	302	59			3.3	63'2
2	9.839 8664	329	9.981 1708 9.981 2340	632		9.858 6956 9.858 6653	303	58			6.6	126'4 189'6
3 4	9.839 8993 9.839 9323	330	9.981 2340	632		9.858 6351	302	57 56		- 1	3.5	252.8
5	9.839 9653	330	9.981 3604	632		9.858 6048	303 302	55			6.2	316.0
6	9.839 9982	329 330	9.981 4237	633 632	0.018 5763		303	54			9.8	379'2
7 8	9.840 0312	330	9.981 4869	632	0.018 5131	9.858 5443	302	53			3.1	442'4
9	9.840 0642	329	9.981 5501 9.981 6133	632	0.018 3867	9.858 5141 9.858 4838	303	52 51		, , ,	9'7	568.8
10	9.840 1301	330	9.981 6766	633	0.018 3234	9.858 4535	303	50) i J-	,,,	
11	9.840 1630	329	9.981 7398	632	0.018 2602		303	49				
12	9.840 1959	329	9.981 8030	632	0.018 1970		303 302	48				1
13	9.840 2289	330 329	9.981 8662	632 632	0.018 1338	9.858 3627	302	47				
14	9.840 2618	329	9.981 9294	633		9.858 3324	303	46				1
15 16	9.840 2947 9.840 3276	329	9.981 9927	632	0.018 0073		303	45		*		
17	9.840 3606	330	9.982 0559 9.982 1191	632	0.017 8800	9.858 2415	303	44 43	١.			
18	9.840 3935	329 329	9.982 1823	632	0.017 8177	9.858 2111	304 303	42	_	_ 3.	30	329
19	9.840 4264	329	9.982 2455	632	0.017 7545	9.858 1808	303	41	-		3.0	32.9
20	9.840 4593	329	9.982 3087	633	0.017 6913	9.858 1505	303	40		- 1	6.0	65.8
21	9.840 4922	328	9.982 3720	632	0.017 6280	9.858 1202	303	39			9.0	98 [.] 7
22	9.840 5250	329	9.982 4352	632	0.017 5648	9.858 0899 9.858 0595	304	38		1 3	5.0	164.2
23 24	9.840 5579 9.840 5908	329	9.982 4984 9.982 5616	632		9.858 0292	303	37 36			8.0	197'4
25	9.840 6237	329	9.982 6248	632	0.017 3752	9.857 9988	304 303	35		2 1 2	1.0	230.3
26	9.840 6565	328 329	9.982 6881	633 632	0.017 3119	9.857 9685	304	34			7.0	263.5 263.5
27	9.840 6894	329	9.982 7513	632	0.017 2487	9.857 9381	303	33		9 29	,, 01	290 1
28 29	9.840 7223 9.840 7551	328	9.982 8145 9.982 8777	632	0.017 1855	9.857 9078 9.857 8774	304	32 31				
30	9.840 7880	329	9.982 9409	632	0.017 0591	9.857 8471	303	30				
31	9.840 8208	328	9.983 0041	632	0.016 9959		304	29				
32	9.840 8537	329 328	9.983 0673	632	0.016 9327		304 303	28		3	28	327
33	9.840 8865	328	9.983 1306	633	0.016 8694		304	27			2'8	32'7
34	9.840 9193 9.840 9522	329	9.983 1938	632	0.016 8062	9.857 7256 9.857 6952	304	26		2 15	5.6	65.4
35 36	9.840 9850	328	9.983 2570	632	0.016 6798		304	25 24			ĵ.4 1.2	130.8
37	9.841 0178	328	9.983 3834	632 632	0.016 6166	9.857 6344	304 304	23	ľ		4.0	163.2
38	9.841 0506	328 328	9.983 4466	632	0.016 5534	9.857 6040	304	22			6.8	196.5
39	9.841 0834	328	9.983 5098	632	0.016 4902	9.857 5736	304	21	l	- 1	9.6	228.9
40	9.841 1162	328	9.983 5730	632	0.016 4270	9.857 5432	304	20			5.2	261 [.] 6
41	9.841 1490	328	9.983 6362	633			304	19 18	l	9 29	۱ - در	- y4 3
42 43	9.841 1818 9.841 2146	328	9.983 6995	632	0.016 3005	9.857 4519	305	17	l			
44	9.841 2474	328	9.983 8259	632	0.016 1741		304	16				1
45	9.841 2802	328 327	9.983 8891	632 632	0.016 1109	9.857 3911	304	15				1
46	9.841 3129	328	9.983 9523	632	0.016 0477	9.857 3606	304	14				8
47 48	9.841 3457 9.841 3785	328	9.984 0155 9.984 0787	632	0.015 0212	9.857 3302 9.857 2998	304	I 3 I 2				
49	9.841 4112	327	0.084 1410	632	LOGIE SESI	9.857 2693	1303	11				1
50	9.841 4440	328	9.984 2051	632	0.015 7040		304	10		303	30	4 305
51		327	9.984 2683	632	0.015 7317		305	9	1	30.3	30	
52	9.841 5095	328 327	9.984 3315	632 632	0.015 6685	9.857 1779	305	8	2	60.6		8 61.0
53	9.841 5422	328	9.984 3947	633	10.015 0055	9.857 1475	205	7	3	90.9		
54 55	9.841 5750 9.841 6077	327	9.984 4580	632	IOOTE 47XX	9.857 1170 9.857 0865	305	6 5	4	121.2		
56		327	9.984 5212 9.984 5844	632	0.015 4766	9.857 0561	304	4	5 6	181.8	1 -	
57	9.841 6731	327	9.984 6476	632	0.015 3524	9.857 0256	303	2	7 8	2 I 2 · I	212	8 213.5
58	9.841 7059	328 327	9.984 7108	632 632	0.015 2892	9.856 9951	305	2		242'4		
59	9.841 7386	327	9.984 7740	632		9.856 9646	305		9	272.7	273	;·6 27 4 ·5
60	9.841 7713		9.984 8372			9.856 9341		Lº				
-	Cos.	d.	Cotang.	d. c.		Sin.	d.	s.				
			3	h 4	in							

			2	56	m								
s.	Sin.	d.	Tang.	d. c.		Cos		d.					
0	9.841 7713	327	9.984 8372	632	0.015 1628			305	60		16	32	631
I	9.841 8040	327	9.984 9004	632	0.015 0996	9.856	9036	305	59	17	0.11	63'2	63'1
2	9.841 8367	327	9.984 9636	632	0.015 0364			305	58	No		26'4	126'2
3 4	9.841 8694 9.841 9021	327	9.985 0268	632	0.014 9732		8121	305	57 56	113		89.6 52.8	189'3
5	9.841 9347	326	9.985 1532	632	0.014 8468		7815	306	55	0.0		16.0	315.2
6	9.841 9674	327	9.985 2164	632	0.014 7836		7510	305	54	2	2 -	79'2	378.6
7	9.842 0001	327	9.985 2796	632	0.014 7204		7205	305	53	83		42.4	441'7
8	9.842 0328	326	9.985 3428	632	0.014 6572		5900	306	52			05.6	504.8
9	9.842 0654	327	9.985 4060	632	0.014 5940	9.856	-	305	51		9 5	68.8	567'9
01	9.842 0981	326	9.985 4692	632	0.014 5308		5289	306	50				
11	9.842 1307 9.842 1634	327	9.985 5324 9.985 5956	632	0.014 4676	9.856	5983 5678	305	49				
13	9.842 1960	326	9.985 6588	632	0.014 3412		5372	306	47				
14	9.842 2287	327 326	9.985 7220	632	0.014 2780			305	46				
15	9.842 2613	326	9.985 7852	632	0.014 2148		1761	306	45				
16	9.842 2939	327	9.985 8484	632	0.014 1516		1455	305	44				
17 18	9.842 3266 9.842 3592	326	9.985 9116	632	0.014 0884	0.0		306	43	Κ.	T a	27	326
19	9.842 3918	326	9.985 9748 9.986 0380	632	0.014 0252		3538	306	41	-	_	32.7	32.6
20	9.842 4244	326	9.986 1012	632	0.013 8988	0 4	3232	306	40	17		65.4	65.5
21	9.842 4570	326	9.986 1644	632	0.013 8356		_	306	2.0			1.86	97.8
22	0 0 0	326	9.986 2276	632	0.013 7724			306		4.5		30'8	130'4
23	6.07	326 326	9.986 2908	632	0.013 7092			306 306		1		63.2	163'0
24	9.842 5548	326	9.986 3540	632	0.013 6460		70.377	306	36			96.5	195.6
25	9.842 5874	326	9.986 4172	632	0.013 5828		1702	306	35	115		61.6	260.8
26 27	9.842 6200	326	9.986 4804 9.986 5436	632	0.013 5196		1396	306	34	. 1	2011	94'3	293'4
28		325	9.986 6068	632	0.013 3932			306	33 32			,,,,	20 1
29	9.842 7177	326	9.986 6700	632	0.013 3300			307	31				
30	9.842 7503	326	9.986 7332	632	0.013 2668	9.856	171	306	30				
31	9.842 7828	325	9.986 7964	632	0.013 2036		_	306	29	и.			
32		326	9.986 8596	632	0.013 1404			307 306	28	U.	13	25	324
33		325 326	9.986 9228	632	0.013 0772			307	27	0.7	1	32.2	32'4
34	9.842 8805	325	9.986 9859	632	0.013 0141		8945	306	26			65.0	64.8
35	9.842 913 9.842 94	326	9.987 0491	632	0.012 9509		8639	307	25	613	-	97.5	97'2
37	9.842 9781	3 ² 5	9.987 1755	632	0.012 8245			306	24			30.0	162'0
	9.843 0106	325	9.987 2387	632	0.012 7613		7719	3º7 3º7	22			95.0	194'4
39	9.843 0432	326	9.987 3019	632	0.012 6981		7412	306	21	n		27.5	226.8
40	9.843 0757	325	9.987 3651	632	0.012 6349	9.855	7106	307	20			60,0	259'2
41	9.843 1082	325	9.987 4283	632	0.012 5717	9.855	5799	307	19		9 2	92.2	291.6
42	9.843 1407	325 325	9.987 4915	632	0.012 5085	9.855	5492	307	18				
43	9.843 1732	325	9.987 5547	632	0.012 4453		5185	307	17				
44	9.843 2057 9.843 2382	325	9.987 6179 9.987 6811	632	0.012 3821		5571	307	15				
45 46		325	9.987 7443	632	0.012 3109	0.855	5264	307	14				
47	9.843 3032	325	9.987 8074	631	0.012 1926	9.855	1957	307 307	13	6			
48	9.843 3356	324 325	9.987 8706	632 632	0.012 1294	9.855	4650	307	12				
	9.843 3681	325	9.987 9338	632	0.012 0662	9.855	4343	307	11				a literature
50	9.843 4006	325	9.987 9970	632	0.012 0030			308	10		306	30	
51		324	9.988 0602	632	0.011 9398	9.855	3728	307	9	1	30.6		30.8
	9.843 4655	325	9.988 1234	632	0.011 8766	9.855	3421	307	8	2	61.3		1'4 61'6
	9.843 4980	324	9.988 1866	632		9.855	3114	308	7 6	3	91.8	4	2.8 153.5
54 55	9.843 5304 9.843 5629	325	9.988 2498 9.988 3130	632		9.855	2400	307	5	4	153'0		
	9.843 5953	324	9.988 3761	631	0.011 6239			307	4	6	183.6		
	9.843 6277	324	9.988 4393	632	0.011 4607			308	3	7 8	214'2	214	
58	9.843 6602	325	9.988 5025	632	0.011 4975	9.855	1577	308	2		244'8	243	
59	9.843 6926	324	9.988 5657	632	0.011 43:43		_	308	_1	9	275'4	276	5'3 277'2
60	9.843 7250	3-4	9.988 6289		0.011 3711	Contract of the last			0				
	Cos.	d.	Cotang.	d. c.	Tang.	Sin		d.	5.				
1			3	h 31	n								
<u></u>													

			2′	57	774							
5.	Sin.	d.	Tang.	d. c.	Cotang.	Cos.	d.					
0	9.843 7250	324	9.988 6289	622	0.011 3711	9.855 0961	10	60		10	532	631
1	9.843 7574	325	9.988 6921	632	0.011 3079	9.855 0654	308	59	-	1	63.2	63.1
2	9.843 7899	324	9.988 7553	632	0.011 2447	9.855 0346	308	58		2 1	26.4	126.5
3	9.843 8223	324	9.988 8185	631		9.855 0038	308	57			89.6	189.3
4	9.843 8547	324	9.988 8816	632		9.854 9730	308	56			52.8	252.4
5	9.843 8871	324	9.988 9448	632		9.854 9422	308	55		-	16.0	315.5
7	9.843 9195	324	9.989 0080	632	0.010 9920	9.854 9114 9.854 8807	307	54			79'2	378.6
8	9.843 9842	323	9.989 1344	632	0.010 8656		308	53			05.6	441'7
9	9.844 0166	324	9.989 1976	632	0.010 8024	9.854 8190	309	52 51		-	68.8	567.9
ó	9.844 0490	324	9.989 2608	632	0.010 7392	9.854 7882	308	50		913	00 0 1	5079
1	9.844 0814	324		631	0.010 6761		308					
2	9.844 1137	323	9.989 3239 9.989 3871	632	0.010 6/01	9.854 7574 9.854 7266	308	49				
3	9.844 1461	324	9.989 4503	632	,	9.854 6958	308	48 47				
4	9.844 1785	324	9.989 5135	632		9.854 6650	308	46				
5	9.844 2108	323	9.989 5767	632		9.854 6341	309	45				
6	9.844 2432	324	9.989 6399	632	0.010 3601	9.854 6033	308	44				
7	9.844 2755	323	9.989 7030	631 632	0.010 2970	9.854 5725	308	43				
8	9.844 3078	323 324	9.989 7662	632	0.010 2338		309	42		14	325	324
9	9.844 3402	323	9.989 8294	632	0.010 1706	9.854 5108	309	41		I	32.2	32'4
0	9.844 3725	Maria Co	9.989 8926		0.010 1074	9.854 4799		40		2	650	64.8
1	9.844 4048	323	9.989 9558	632	0.010 0442	9.854 4490	309	39		3	97'5	97'2
2	9.844 4371	323	9.990 0190	632	0.009 9810	9.854 4182	308	38		4 1	30.0	129.6
3	9.844 4695	324	9.990 0821	631 632	0.009 9179	9.854 3873	309	37			62.2	162.0
4	9.844 5018	323	9.990 1453	632	0.009 8547	9.854 3564	308	36			95.0	194'4
5	9.844 5341	323	9.990 2085	632		9.854 3256	309	35			27.5	226.8
6	9.844 5664	323	9.990 2717	632		9.854 2947	309	34			60.0	259'2
7	9.844 5987	323	9.990 3349	632	0.009 6651	1, 2, 0	309	33		9 2	92.2	291.6
8	9.844 6632	323	9.990 3981	631	0.009 6019	9.854 2329	309	32				
-		323	9.990 4612	632	0.009 5388		309	31				
0	9.844 6955	323	9.990 5244	632	0.009 4756	9.854 1711	309	<u>30</u>				
1	9.844 7278	323	9.990 5876	632	0.009 4124		309	29				
2	9.844 7601	322	9.990 6508	632	0.009 3492		309	28	-		323	322
33	9.844 7923 9.844 8246	323	9.990 7140	631	0.009 2229	9.854 0784	309	27 26		1	32.3	32.5
5	9.844 8569	323	9.990 8403	632		9.854 0475 9.854 0166	309	25		2	64.6	64'4
6	9.844 8891	322	9.990 9035	632	0.009 0965		310	24		3	96.9	96.6
7	9.844 9214	323	9.990 9667	632	0.009 0333		309	23			29'2	161.0
8	9.844 9536	322	9.991 0299	632	0.008 9701	9.853 9238	309	22		_	93.8	193.5
9	9.844 9859	323	9.991 0930	631	0.008 9070	9.853 8928	310	21		-	26.1	225.4
0	9.845 0181	322	9.991 1562	632	0.008 8438	9.853 8619	309	20		,	58.4	257.6
1	9.845 0503	322	9.991 2194	632	0.008 7806	9.853 8309	310	19			90'7	289.8
2	9.845 0825	322	9.991 2826	632	0.008 7174	9.853 8000	309	18				
3	9.845 1148	323	9.991 3457	631	0.008 6543		310	17				
4	9.845 1470	322	9.991 4089	632	0.008 5911	9.853 7381	309	16				
5	9.845 1792	322	9.991 4721	632	0.008 5279	9.853 7071	310	15				
6	9.845 2114	322	9.991 5353 9.991 5985	632	0.008 4647	9.853 6761	310	14				
	9.845 2436	322	9.991 5985	631		9.853 6451	309	13				
	9.845 2758	322	9.991 6616	632	0.008 3384	9.853 6142	310	12				
9		322	9.991 7248	632	0.000 2/52	9.853 5832	310		,	- 0		
_	9.845 3402	322	9.991 7880	632		9.853 5522	310	10		308	30	
	9.845 3724	321	9.991 8512	631	0.008 1488	9.853 5212	310	9	I	30.		0.0 31.
	9.845 4045	322	9.991 9143	632	0.008 0857	9.853 4902		8	2	61.		1.8 62
	9.845 4367	322	9.991 9775	632	0.008 0225	9.853 4592	310	7	3	92		93
	9.845 4689	321	9.992 0407	632	0.007 9593	9.853 4282	310	6	4	123		
	9.845 5010	322	9.992 1039	631	0.007 8961	9.853 3972	310	5	5	154		
	9.845 5332 9.845 5654	322	9.992 1670	632	0.007 7608	9.853 3662 9.853 3351	311	4	6	184		
	9.845 5975	321	9.992 2302	632	0 007 7066	9.953 3351 9.953 3041	310	3	78	215		-
	9.845 6297	322	9.992 3566	632	0.007 6434	9.853 2731	310	, ,	9	277		
_	9.845 6618	321	9.992 4197	631		9.853 2421	2 - 0	-	91	-11	1 -10	1 -19
.01		d.		d. c.	Tang.	19.853 2421 Sin.	d.	_				
	Cos.			пс	1000							

			2'	58	m									
5.	Sin.	d.	Tang.	d. c.	Cotang.	Co	s.	d,						7
0	9.845 6618	201	9.992 4197	600	0.007 5803	9.853	2421		60		1	63	2	631
1	9.845 6939	321	9.992 4829	632	0.007 5171	9.853	2110	311	59	1	1	63	2	63.1
2	9.845 7261	321	9.992 5461	632 632	0.007 4539			311	58		2	126		126'2
3	9.845 7582	321	9.992 6093	631	0.007 3907			310	57		3	189	-	189.3
4	9.845 7903 9.845 8224	321	9.992 6724 9.992 7356	632	0.007 3276			311	56	12	4	316		252'4
5	9.845 8545	321	9.992 7988	632	0.007 2012			310	55		5	379		315.5
7	9.845 8867	322	9.992 8620	632	0.007 1380			311	54 53		7	442		441.7
8	9.845 9188	321	9.992 9251	631	0.007 0749			311	52		8	505	.6	504.8
9	9.845 9509	321	9.992 9883	632 632	0.007 0117	9.852	9625	310	51		9	568	.8	567'9
10	9.845 9830		9.993 0515	-	0.006 9485	9.852	9315	311	50					
11	9.846 0150	320 321	9.993 1147	632 631	0.006 8853	9.852	9004	311	49					
12	9.846 0471	321	9.993 1778	632	0,006 8222	9.852	8693	311	48					
13	9.846 0792	321	9.993 2410	632	0.006 7590	9.852	8382	311	47					
14	9.846 1113	321	9.993 3042	632	0.006 6958			311	46					
15 16	9.846 1434 9.846 1754	320	9.993 3674 9.993 4305	631	0.006 6326		7760	311	45					
17	9.846 2075	321	9.993 4937	632	0.006 5063			311	44					
18	9.846 2395	320	9.993 5569	632	0.006 4431			311	42		_ 1	32	1	320
19	9.846 2716	321	9.993 6200	631	0.006 3800	9.852		312	41	-	1	32		32'0
20	9.846 3036	320	9.993 6832	632	0.006 3168	9.852	6204	311	40		2	64		64.0
21	9.846 3357	321	9.993 7464	632	0.006 2536	9.852	5893	311	39		3	96		96.0
22	9.846 3677	320 321	9.993 8096	632 631	0.006 1904	9.852	5582	311	38		4	128	•	128.0
23	9.846 3998	320	9.993 8727	632	0.006 1273	9.852	5270	311	37		5	160	_	160.0
24	9.846 4318	320	9.993 9359	632	0,006 0641	9.852	4959	312	36		7	192		192'0
25 26	9.846 4638 9.846 4958	320	9.993 9991 9.994 0623	632	0.006 0009	9.052	4047	311	35		8	256		256.0
27	9.846 5278	320	9.994 1254	631	0.005 8746			312	34		9	288		288.0
28	9.846 5599	321	0.004 1886	632	0.005 8114			311	33 32					
29	9.846 5919	320	0.004 2518	632	0.005 7482		3401	312	31					
30	9.846 6239	320	9.994 3149	631	0.005 6851			312	30					
31	9.846 6559	320	0.004 2781	632	0.005 6219	_		311	29					
32	9.846 6879	320 319	9.994 4413	632	0.005 5587			312	28		- 1	31	9	318
33	9.846 7198	320	9.994 5044	632	0.005 4956			312	27	1	1	31	9	31.8
34	9.846 7518	320	9.994 5676	632	0.005 4324			312	26		2	63	8.8	63.6
35 36	9.846 7838 9.846 8158	320	9.994 6308 9.994 6940	632	0.005 3692			312	25		3		7	95'4
37	9.846 8477	319	0.004 7571	631	0.005 2429			312	24		4	127		127'2
38	9.846 8797	320	9.994 8203	632	0.005 1797			312	22		5	191	_	190.8
39	9.846 9117	320	9.994 8835	632 631	0.005 1165	9.852	0282	312	21		7	223		222.6
40	9.846 9436	319	9.994 9466		0.005 0534	9.851	9970	312	20		8	255		254'4
41	9.846 9756	320	9.995 0098	632	0.004 9902	9.851	9658	312	19		9	287	.1	286.2
42	9.847 0075	319 320	9.995 0730	632 631	0.004 9270		9345	313	18					
43	9.847 0395	319	9.995 1361	632	0,004 8639		9033	312	17					
44	9.847 0714 9.847 1033	319	9.995 1993	632	0.004 8007	9.851	8721	313	16					
45 46	9.847 1353	320		632	0.004 7375	0.851	8006		15					
47	9.847 1672	319	9.995 3888	631	0.004 6112	9.851	7783	313	14					
48	9.847 1991	319	9.995 4520	632	0.004 5480	9.851	7471	312	12					
49	9.847 2310	319	9.995 5152	632	0.004 4848	9.851	7158	313	11					
50	9.847 2629	319	9.995 5783	631	0.004 4217		6846	312	10		31	1	312	313
51	9.847 2948	319	9.995 6415	632 632	0,004 3585		6533	313	_	1	3	1.1	31.	
52	9.847 3267	319	9.995 7047	631	0.004 2953	9.851	6220	313	9	2		2.5	62	
53	9.847 3586	319	9.995 7678	632	0.004 2322			313	76	3		3.3	93	
54	9.847 3905 9.847 4224	319	9.995 8310 9.995 8942	632	0.004 1690	9.851	5595	313		4	124		124	
	9.847 4543	319	9.995 9573	631	0.004 1058			313	5	5	180		187	
57	9.847 4861	318	9.996 0205	632	0.003 9795			313	4 3	7	217		218	
58	9.847 5180	319	9.996 0837	632	0.003 9163	9.851	4343	313	2	8	248		249	
59	9.847 5499	319	9.996 1468	631	0.003 8532	9.851	4030	313	1	9	279		280	
	9.847 5817	310	9.996 2100	632	0.003 7900	9.851	3717	313	0					
	Cos.	d.	Cotang.	d. c.	Tang.	Si	Andrew Street, Square,	d.	s.					
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5.	Sin.	d.	Tang.	d. c.	Cotan	g.	Co	s.	d.							
0	9.847 5817	210	9.996 2100	632	0.003 7	900	9.851	3717	212	60		1	63	2	631	
1	9.847 6136	319	9.996 2732	632	0.003 7	268	9.851	3404	313	59	16	1	63	'2	63	1
2	9.847 6455	318	9.996 3364	631	0.003 6		9.851	3091	313	58	М	2	126	2.1	126	
3	9.847 6773	318	9.996 3995 9.996 4627	632	0.003 6			2778	313	57		3	189	The second	189	-
5	9.847 7091	319	9.996 5259	632	0.003 5		9.851		314	56	U S	4	252	000	252	
6	9.847 7728	318	9.996 5890	631	0.003 4				313	55 54	13	5	379		315	
7	9.847 8046	318	9.996 6522	632	0.003 3				313	53	10	7	442		441	
8	9.847 8365	319	9.996 7154	632	0.003 2	846	9.851	1211	314	52		8	505	C 40	504	
9	9.847 8683	318	9.996 7785	632	0.003 2	215	9.851	0898	313	51	Из	9	568	8	567	9
0	9.847 9001	318	9.996 8417	632	0.003 1	583	9.851	0584	314	50						
11	9.847 9319	318	9.996 9049	631	0.003 0	951	9.851	0271	313	49						
2	9.847 9637	318	9.996 9680	632	0.003 0		9.850	9957	314	48						
13	9.847 9955	318	9.997 0312	632	0.002 9		9.850		313	47						
4	9.848 0273	318	9.997 0944	631	0.002 9		9.850		314	46						
15	9.848 0591	318	9.997 1575 9.997 2207	632	0.002 8		9.850		314	45						
7	9.848 1227	318	9.997 2839	632	0.002 7		9.850		314	44						
8	9.848 1545	318	9.997 3470	631	0.002 6		9.850		314	42		1	31	9 1	318	
19	9.848 1862	317	9.997 4102	632	0.002 5		9.850		314	41	1 3	1		9	31	
20	9.848 2180	318	9-997 4734	632	0.002 5	266	9.850		314	40	1 3	2	63		63	
21	9.848 2498	318	9.997 5365	631	0.002 4	_	9.850		314	39	113	3	95		95	
22	9.848 2815	317	9.997 5997	632	0.002 4		9.850		314	38	113	4	127	40.	127	
23	9.848 3133	318	9.997 6629	632	0.002 3		9.850		314	37		5	159	5.5	159	
24	9.848 3450	317	9.997 7260	631	0,002 2		9.850	6190	314	36		6	191	400	190	
25	9.848 3768	317	9.997 7892	632	0,002 2				314	35	110	8	223		222	
26	9.848 4085	318	9.997 8524	631		476	9.850		315	34		9	255		254	
27	9.848 4403	317	9.997 9155	632	5,000	2012	9.850		314	33		91	20,	11	200	-
29	9.848 4720 9.848 5037	317	9.997 9787 9.998 0419	632	0,001	581	9.850		314	32						
-	0.0	317	9.998 1050	631		3950	9.850		315	31						
30		318		632		_	_		314	30						
32	9.848 5672 9.848 5989	317	9.998 1682 9.998 2314	632	0.001 8		9.850	3990	315	29 28		1	31	7 1	316	
33	9.848 6306	317	9.998 2945	631	0.001 7				314	27	-	-	_	-	31	_
34	9.848 6623	317	9.998 3577	632	0.001 6		9.850		315	26		2		7	63	
35	9.848 6940	317	9.998 4209	632	0.001 5	791	9.850	2731	315	25		3		17	94	
36	9.848 7257	317	9.998 4840	632	0.001 5	160	9.850		314	24		4	126		126	
37	9.848 7574	317	9.998 5472	632	0.001 4	100	9.850		315	23		5	158	3.5	158	0
38	9.848 7891	316	9.998 6104	631			9.850		315	22		6	190	0.5	189	
39	9.848 8207	317	9.998 6735	632	_	3265	9.850	_	315	21		7	22		221	-
to	9.848 8524	317	9.998 7367	632	-	2633	9.850	_	315	20		8	253		252	
11	9.848 8841	317	9.998 7999	631	0,001 2	20,000	9.850		315	19		9	20	5.3	284	4
12	9.848 9158	316	9.998 8630	632	0.001		9.850		315	18						
13	9.848 9474 9.848 9791	317	9.998 9262 9.998 9893	631	0.00.0		9.849		315	17 16						
14 15	9.849 0107	316	9.999 0525	632	0,000 9				315	15						
	9.849 0424	317	0.000 1157	632	0.000 8				315	1 .						
	9.849 0740	316	9.999 1788	631	0.000 8	3212	9.849	8952	315	13						
	9.849 1057	316	9.999 2420	632	0.000 7	7580	9.849	8637	315	12						
19	9.849 1373	316	9.999 3052	631	0.000 6				315	11						
50	9.849 1689		9.999 3683	632	0.000 6		9.849			10		31	3	314	1	315
51	9.849 2006	317	9.999 4315	632	0.000 5	5685	9.849	7691	315	9	1	3	1.3	31		31'
52	9.849 2322	316	9.999 4947	631	0.000 5	5053	9.849	7375	315		2		2.6	62		63
	9.849 2638	316	9.999 3370	632	0.000 4				316	7 6	3		3.9	94		94
54	9.849 2954	316	9.999 6210	632	0.000 3	3790	9.849	6744	315		4	125		125		26
	9.849 3270 9.849 3586	316	9.999 6842 9.999 7473	631	0.000 3	2527	0.840	6112	316	5	5	18	7.8	188		89
	9.849 3902	316	a non Stor	632	0.000 1	1805	0.840	5707	316	3	7	210		219		220
	9.849 4218	316	9.999 8737	632	0.000 1	263	0.840	5482	315	- 2	8	250	-	251		252
59		316	9.999 9368	631	0,000 0				316	1	9		1.7	282		283
	9.849 4850	316	0.000 0000	632	0,000		Name and Address of the Owner, where		316	0	1	95			10	
	Cos.	d.	Cotang.	d. c.	Tang		Si	_	d.	S.						
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